



HD WT

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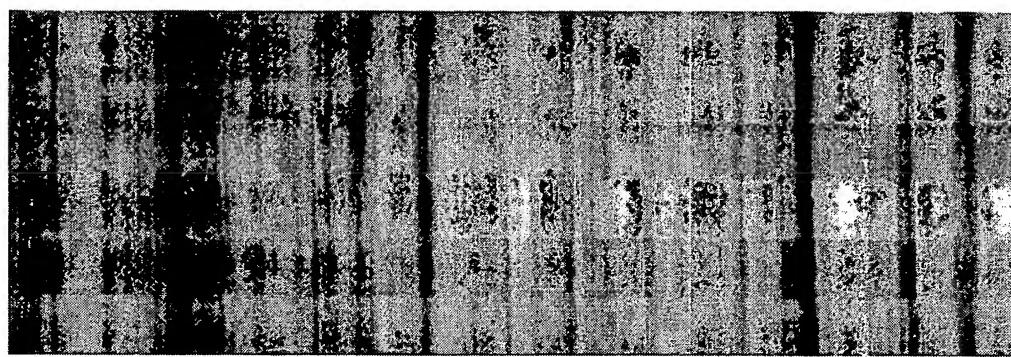


Figure 1

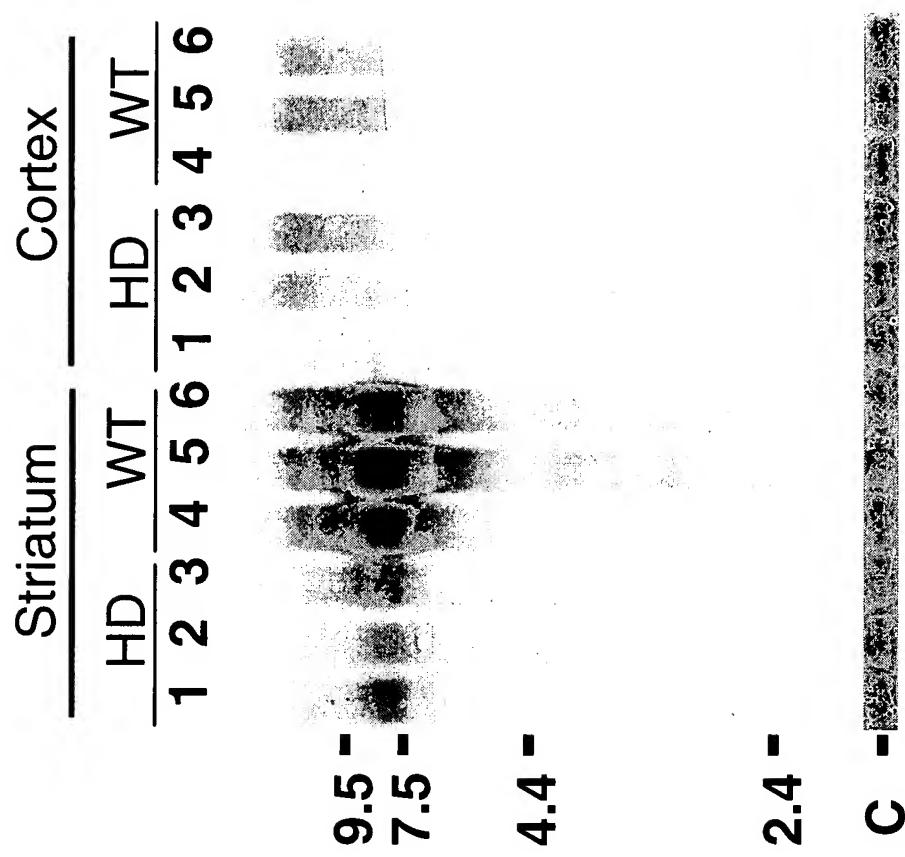


Figure 2

Figure 3

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ACATACCCCTT ATCACAAAGG TATACTAGAC AACAGACCTC ATATACGATG TACAAGTAAA
HD1

61 ACTGTACAAA AACCCAGTGC AGCTGATGAT GCAAAGCAGT CTCTCTCTGT GTACAGTGCC
TGACATGTT TTGGGTCAAG TCGACTACTA CGTTTCGTCA GAGAGAGACA CATGTCACGG

121 CCACCTATTT AAAAATCAAG TACAASCCA GAACACTGTG AAACACTTAA CATAAGAAC
GGTGGATAAA TTTTAGTGC ATGTTSGGGT CTTGTGACAC TTTGTGAATT GTATTCTTG
HD2

181 AAACGCAGCG TCTGGATTCT TTCCAAGGAG AGCAGCTTC TCCACAGGAA CACAGTAACA
TTTGCCTCGC AGACCTAAGA AAGGTTCCCTC TCGTCGAAAG AGGTGTCCTT GTGTCATTGT
HD2

241 AAAGAGGTCC GCCGCCATCC ACACCCAGCC AAGACACCTC AGAGGCCATA GGGACAAACCT
TTTCTCCAGG CGGCAGTAGG TGTGGGTGG TTCTGTGGAG TCTCCGGTAT CCCTGTTGGA

301 CCTTGCTGGC CAACACCTGC TGGAGCAGGG CACAGGTCCC AGCAACTGAT CCTCAGTGGA
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361 TGGGTCCGCA GTCAAAGCCT TAATGGGCTC TCTTTGAAG GGGAAAGAAA KWTTTCAAGC
ACCCAGGCCT CAGTTCCGGA ATTACCCGAG AGAAAACCTTC CCCTTCTTT MWAAAGTCG

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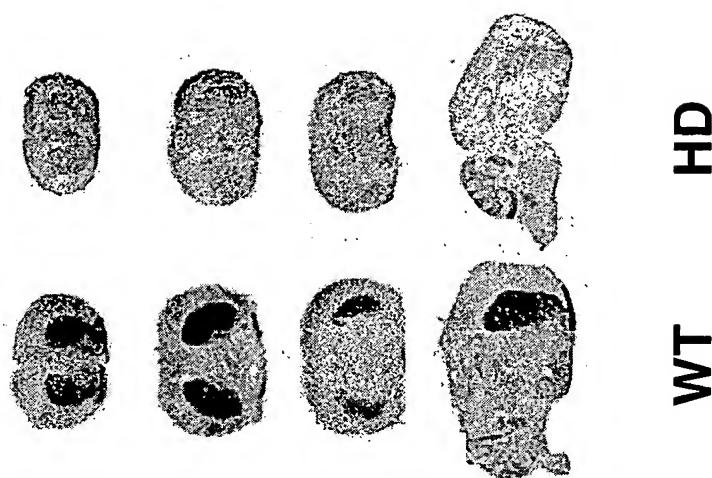


Figure 4

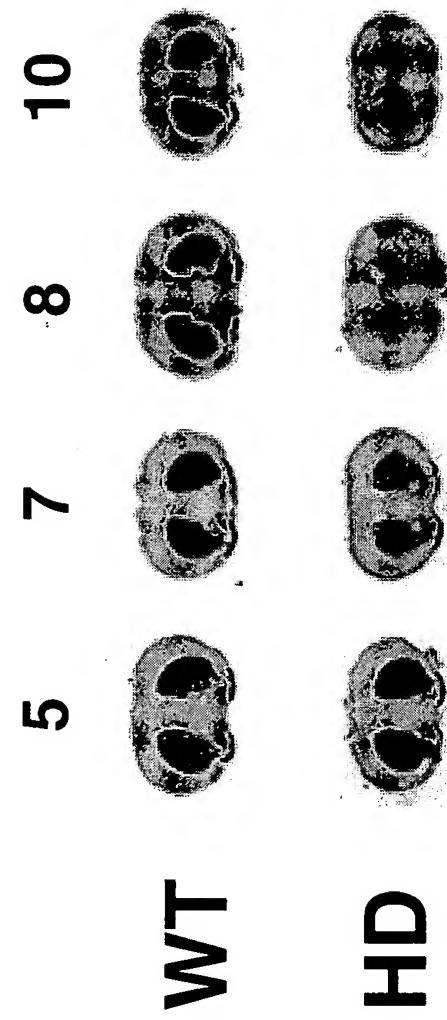


Figure 5

Figure 6



Figure 7

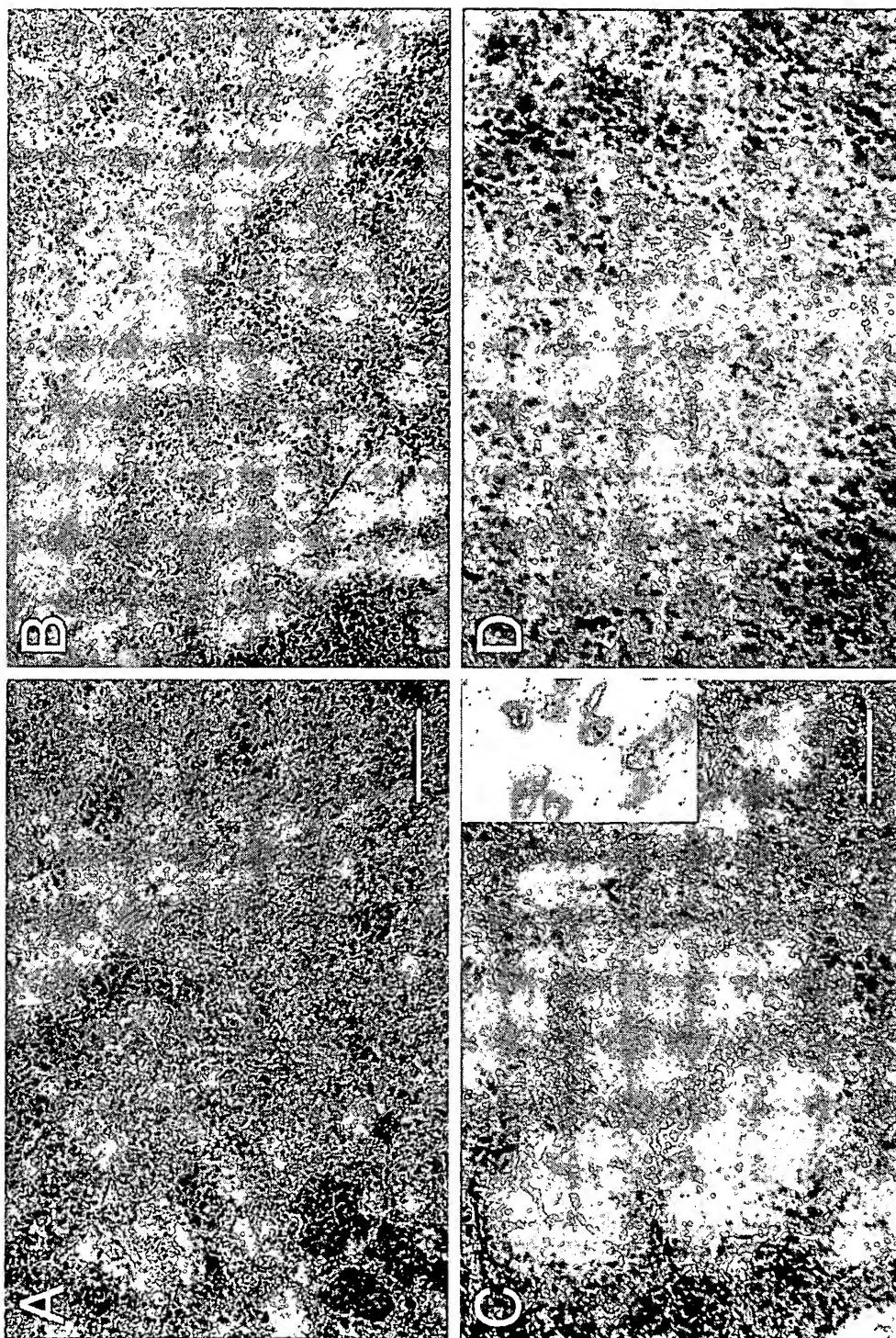
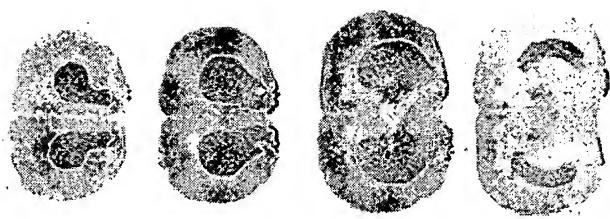


Figure 8



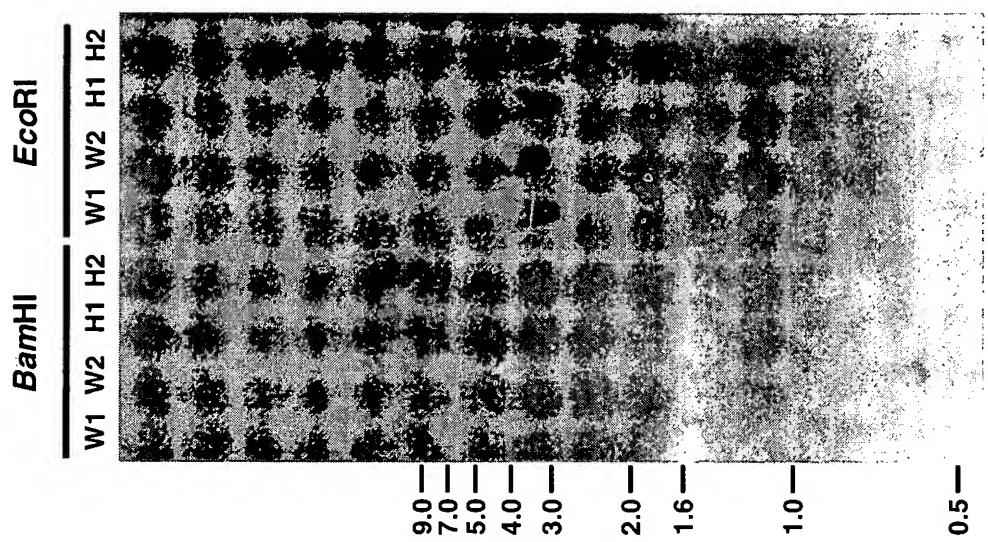


Figure 9

Figure 10

1	CACTGAAGCT GGTCCACGTC TATAAACAGG TGACACTGGC TGCAGCAAAA AGCCATTGCA
61	GTGACTTCGA CCAGGTGCAG ATATTTGTCC ACTGTGACCG ACAGTCGTTT TCGGTAAGCT
121	TCCACACAAA TTGATCTTCT ATCATCTTGG AATCTGAATT GCAGGGAGGA GCAGTATGTA
181	AGGTGTGTT AACTAGAAGA TAGTAGAACC TTAGACTTAA CGTCCCTCCT CGTCATACAT
241	AGACGACCGT TAAATTCAAGG CATTCCGAAG GCATGAGCGC ATGGATTCTG TCACCAAGCG
301	TCTGCTGGCA AATTAAGTCC GTAAGGCTTC CGTACTCGCG TACCTAAGAC AGTGGGTCGC
361	ATTTTACAGA AGTCTCCTG AATTGCCCC GCCTGGGCA GTTTGCAGA GGAACCTGCC
421	TAAAATGTCT TCAGAGGAAC TTAAACGGGA CGGACCCGT CAAAACGTCT CCTTGGACGG
481	AGAGATTAT TGGCTGGTCA GTCTCTTGTG AAATAGTATC ATGTGAGAAA CAGTTGTAG
541	TCTCTAAATA ACCGACCAGT CAGAGAACAC TTTATCATAG TACACTCTT GTCAAACATC
601	TTAGGAGGCA TAAATCTGCC CGGAATAAAC TAGGCCAGGA TACAGCCATG TTTAGTTAAT
661	AATCCTCCGT ATTTAGACGG GCCTTATTTG ATCCGGCCT ATGTCGGTAC AAATCAATTAA
721	AATTTGGTT TAGAATTCAAC ACAGGCAGGA TTGGTTTTT TGTGTCTTGG CAAGTGGAGC
781	TTAAACCAAAA ATCTTAAGTG TGTCCTGCCT AACCAAAAAA ACACAGAACCG GTTCACCTCG
841	ATATTAAACA TACAGGCATG GGAATCCTGC CTCTTAGCTT TTCCACCCCT CTTGTCTCAC
901	TATAAATTGT ATGTCCGTAC CCTTAGGACG GAGAACATCGA AAGGGTGGGA GAACAGAGTG
961	CAAGTTTTT CTCTCCAAAG GTTCCAGGA ATTTCTCATT AATGGCTGAT GCAAACCTAG
1021	GTTCAAAAAA GAGAGGTTTC CAAAGGTCTT TAAAGAGTAA TTACCGACTA CGTTGAATC
1081	TGAATAATAA TGAATATAAA CAATGCTCAC CTCACCAAAA TTATATTATT TGCAGTCATT
1141	ACTTATTATT ACTTATATTG GTTACGAGTG GAGTGGTTT AATATAATAA ACGTCAGTAA
1201	ACACTATTGT GTTAAAATA GCGTTACCAA TAATAAATTAA AACACCGGTG TGTGACACCA
	TGTGATAACA CAAATTTAT CGCAATGGTT ATTATTAAAT TTGTGGCCAC ACACGTGGT
	AGACTATTGT GTTAAAATA GCGTTACCAA TAATAAATTAA AACACCGGTG TGTGACACCA
	TATCTTTGT TGTGGTTGTT TCTGAGAAAA TGTTCTGGA TATGTAAGTG CCAATACCAG
	ATAGAAAACA ACACCAACAA AGACTCTTT ACAAGAACCT ATACATTCAC GGTTATGGTC
	TGTGAAGTAT TGATCCCGGG CAGCAAAATA CAGCCTAAGG TTTGTAAACA TCAATTCTAT
	ACACTTCATA ACTAGGGCCC GTCGTTTTAT GTCGGATTCC AAACATTGT AGTTAAGATA
	CTCAGTTCAT CAGAGGGCCT GAGAAGCTGC GGGGCAGTGT AAAGTAAAGT ATGCTGGCT
	GAGTCAGTA GTCTCCCGGA CTCTTCGACG CCCCCTCACCA TTTCATTCA TACGACCCGA
	GGTGGTGGTC AGCCTCCCGC CTGAAGAGTG ACCAGTGTG GCCCGACGGA TCGCTGAGAT
	CCACCAACAG TCGGAGGGCG GACTTCTCAC TGGTCACGAC CGGGCTGCCT AGCGACTCTA
	ATTCTCCCAT AATGGCAAAA AAATAGGCAG TTTGATGTGA CCTGTTAGT GTGGCTCTCC
	TAAGAGGGTA TTACCGTTT TTTATCCGTC AAACACTACACT GGACAAATCA CACCGAGAGG
	TCTTTGAGC ATGTGTTAGC ATTTTTATT TATAACTCATC CAGTGAACTC TGCTCTCCA
	AGAAAACCTCG TACACAATCG TAAAAATAAA ATATGAGTAG GTCACTTGAG ACGAGAAGGT
	AGTGTGTTCA TGTATGTGCT AGATATATTA GCACAGCCTG CCTTCTGCTG CACAACGCCT
	TCACACAAAGT ACATACACGA TCTATATAAT CGTGTGGAC GGAAGACGAC GTGTTGCGGA
	TAGAGACCCG GCCTTCAAT GAGCTTAGCT TGTGCTCTG TTCTGCTCTC TTAGGTCTAA
	ATCTCTGGGC CGGAAAGTTA CTCGAATCGA ACACGAGACA AAGACGAGAG AATCCAGATT

Figure 10 (cont.)

1261	ACTATGGTGT CAGTTTAAT AGAACAAAAG TATGCATCTT GCCTTGGCTT GAGCCTTTTC TGATACCACA GTCAAATTAA TCTTGTTC ATACGTAGAA CGGAACCGAA CTCGGAAAAG
1321	GTTCATGCTGCTC CCCTTCTCT CCTGTGCTCA CCTTACCTT CCAGAGTGTAA CAAAGTTAC GACTGAAGAG GGGAAAGAGA GGACACGGAGT GGAATGGAAA GGTCTCACAT
1381	AGGGACAACT TTTAAGGAGG CGTGTCCCTG GTAGGGCAT CCCGTTCAC CAGGTGCCTG TCCCTGTTGA AAATTCCCTCC GCACAGGGAC CATCCCCGTA GGGACAAGTG GTCCACGGAC
1441	TCATCACCCCC ACTTGACTGA CATCTACCC GGTGACTATG GGTTCCTCTT GTTTGTAGGG AGTAGTGGGG TGAACTGACT GTAGATGGGA CCACTGATAC CCAAGGAGAA CAAACATCCC
1501	AACGGTGGCT CCAGGTGGAG GCATCAATCT GTTGGGTCT GGTCCCGGC TGCCTTGGT TTGCCACCGA GGTCCACCTC CGTAGTTAGA CAACCCAAGA CCAAGGGCCG ACGGAAACCA
1561	TTTGAAAGTC TCTTCTCTGT ATATTCTAC CCTGCATTTG CTTTGTGTGG TGCTGATGCT AAACTTTCAG AGAAGAGACA TATAAGGATG GGACGTAAAC GAAACACACC ACGACTACGA
1621	GTGCGCAGTA GGATTCTTGG ATGACTCTCC ATCAGTCACA GACTCCCCCT GTTGCAAAGT CACCGTCAT CCTAAGAAC TACTGAGAGG TAGTCAGTGT CTGAGGGGGAA CAACGTTCA
1681	GTCAGGCTGA CTCGACAGTC ACCGTAAAT CTGAGTCAGT CACACACAGG CTGTCAGCCA CAGTCCGACT GAGCTGTAG TGGCATTTA GACTCAGTCA GTGTGTGTCC GACAGTCGGT
1741	CGGCTTCCAC TTGCATGGCT ATTCTATTT CACACGTGAG TTTCTGTTGC TGGCTGGCTG GCCGAAGGTG AACGTACCGA TAAGATAAAA GTGTGCACTC AAAGACAACG ACCGACCGAC
1801	ACTGGCATTAA TCTATGCTAA GTGAAATCA GGAGTGCCA GCAGAGGCCA TCATTCTCAC TGACCGTAAT AGATACGATT CAACTTTAGT CCTCACGGGT CGTCTGGGT AGTAAGAGTG
1861	TGTCTTGAA ACAAAAGCTGT ACGGTTTGAT CGATGAAACGT ATTAAAGCA TTTCATGCAA ACAGAAACTT TGTTCGACA TGCCAAACTA GCTACTTGCA TAAATTCTGT AAAGTACGTT
1921	TGACAAAGTG CTCAGTAGTG GAAGGCAGGC TGTGACCAGT CTGCCTGTC CTTACTATAA ACTGTTCAC GAGTCATCAC CTTCCGTCCG ACACTGGTCA GACGGACGAG GAATGATATT
1981	TTGTGAGGAT TTGTTACTGG AACAGTACAT GGAGGCCTGA CCTTGTGGGG GCACAGGGTG AACACTCCTA AACAAATGACC TTGTCATGTA CCTCCGGACT GGAACACCCC CGTGTCCCAC
2041	GAACCTTAGC TGAATATAGT GTGTGTCTCA AGAGGAAGTC AGGGTACTAG CTCAGTGCTC CTTGAATCG ACTTATATCA CACACAGAT TCTCCTCAG TCCCATGATC GAGTCACGAG
2101	AATCTCCAGG TACTATATAT ACATTGCCC GTTTTATCTC TAATGTGAAA TAAATCCCCA TTAGAGGTCC ATGATATATA TGAAACGGG CAAAATAGAG ATTACACTTT ATTTAGGGGT
2161	AACACTTGTT TATCGTGTAG CGTACCTAAA AGACTATTCT ATTATGGGTG TCCCCACTTT TTGTGAACAA ATAGCACATC GCATGGATT TCTGATAAGA TAATACCCAC AGGGGTGAAA
2221	CTTGGTTGG TCACCCCGAT CCCCCGGTCT TCTGCTGTAT CTAGAACAGT GACTATAAAT GAACCAAACCC AGTGGGGCTA GGGGGCCAGA AGACGACATA GATCTGTCA CTGATATTAA
2281	GATGTATGGG AATAGTGTAA CCATATGATC TGTTGTCTGG AGTATATGCT ACATGTTCAA CTACATACCC TTATCACAAA GGTATACTAG ACAACAGACC TCATATACGA TGTACAAGTT
2341	TTACTGTACA AAAACCCAGT GCAGCTGATG ATGCAAAGCA GTCTCTCT GTGTACAGTG AATGACATGT TTTGGGTCA CGTCGACTAC TACGTTCTGT CAGAGAGAGA CACATGTCAC
2401	CCCCACCTAT TTAACAAATCA CGTACAASCC CAGAACACTG TGAAACACTT AACATAAGAA GGGGTGGATA AATTTTAGT GCATGTTSGG GTCTTGTGAC ACTTTGTGAA TTGTATTCTT
2461	CAAACGCAGC GTCTGGATTC TTTCCAAGGA GAGCAGCTTT CTCCACAGGA ACACAGTAAC GTTTGCCTCG CAGACCTAAG AAAGGTTCT CTCGTGAAA GAGGTGTCC TGTGTCAATTG

Figure 10 (cont.)

2521	AAAAGAGGTC CGCCGCCATC CACACCCAGC CAAGACACCT CAGAGGCCAT AGGGACAACC TTTTCTCCAG GCGGCGGTAG GTGTGGGTCG GTCTGTGGA GTCTCCGTA TCCCTGTTGG
2581	TCCTTGCTGG CCAACACCTG CTGGAGCAGG GGCACAGGTC CCAGCAACTG ATCCTCAGTG AGGAACGACC GGTTGTGGAC GACCTCGTCC CCGTGTCCAG GGTCGTTGAC TAGGAGTCAC
2641	GATGGGTCCG CAGTCAAAGC CTTAATGGGC TCTCTTTGA AGGGGAAAGA AAGAATTCA CTACCCAGGC GTCAGTTTCG GAATTACCCG AGAGAAAACT TCCCCTTCT TTCTTAAAGT
2701	AGCTTATGAT ATCCAACATT ATTATAGTTG ATGAGTTAGT AAATTCCAAA AAAAAAAAGAT TCGAATACTA TAGGTTGTA TAATATCAAC TACTCAATCA TTTAAGGTTT TTTTTTTCTA
2761	GATTTATAT GTATGACATA AAAAAAAATCT TTGTAAAGTG CGCAAGTGCA ATAATTAAA CTAAAATATA CATACTGTAT TTTTTTTAGA AACATTCAC GCGTTCACGT TATTAAATT
2821	GAGGTCTTAT CTTTGCAATT ATAAATTATA AATATTGTAC ATGTGTGTA TTTTTCATGT CTCCAGAATA GAAACGTAAGA TATTTAATAT TTATAACATG TACACACATT AAAAAAGTACA
2881	ATTCATTGTC AGTCTTTGTA TTTAAAAAAA CTTTACTGTT ATGTTTGAT AATAGAACAT TAAGTAAACG TCAGAAACAT AAATTTTTT GAAATGACAA TACAAACATA TTATCTGTA
2941	TAATCATTAA TTATAACTCA GACAAGGTGT AAATAAATTCA ATAATTCAAA CAGCCAGTAT ATTAGTAAAT AATATTGAGT CTGTTCCACA TTTATTTAAG TATTAAGTTT GTCGGTCATA
3001	ATATGCATAT ATGGGTGTTA CATTGCAAAA ATCTCTATCT TTGTTCTATT CACATGCTTA TATACGTATA TACCCACAAT GTAACGTTT TAGAGATAGA AACAAAGATAA GTGTACGAAT
3061	AAGAAGTAAG AAATCTTTG TGGATATGTA ATTATACATA TAAAGTATAT ATATATGTAT TTCTTCATTC TTTAGAAAAC ACCTATACAT TAATATGTAT ATTCATATA TATATACATA
3121	GATACATGAA ATATATTAG AAATGTTCAT AATTTTAATG GATATTCTT GGTGTGAATA CTATGTACTT TATATAAACAT TTTACAAGTA TTAAAATTAC CTATAAGAAA CCACACTTAT
3181	ATTGAATACA ACATTTTAA AATGAAAAAA AAAAAAAA AAAAAAAA AAAAAA TAACTTATGT TGAAAAAATT TTACTTTTT TTTTTTTTT TTTTTTTT TTTTT



Figure 11

3236 bp

Figure 12

1	AAGTGTAAAT AAAATAAAC A TCTAATAAAA AAAATTACAT ACCATAGAGG AACAGATAA TTCACATTTA TTTTATTTGT AGATTATTT TTTTAATGTA TGGTATCTCC TTGTTCTATT
61	TTTCTGCCA ACTTCATACC CTCCAGCGTA TAGTGTGAG GTTGGTCTG TTGCTGTGTA AAAGACGGGT TGAAGTATGG GAGGTCGCAT ATCACAACTC CAAACCAGAC AACGACACAT
121	TTGTAATGTA ATGTTAAATT CTCTACCTGA AGGTCTAGGC CTACAAGTGA ATTCTCATGT AACATTACAT TACAATTAA GAGATGGACT TCCAGATCCG GATGTTCACT TAAGAGTACA
181	TTATAGAGTT TTGTTGTGCA AACCTTGTTC CTTAATTAA AACTATGGTT AAAAAACAAA AATATCTCAA ACAACACGT TTGGAACAAAG GAATTAAATT TTGATACAA TTTTTGTTT
241	ACAAAACGG CTACAGCCAA TAACTGAAGG GGGTTACCTT GTGAAGGGG TGGAAAAGAG TGTTTGACCC GATGTCGGTT ATTGACTTCC CCCAATGGAA CAACTCCCC ACCTTTCTC
301	AGAGGAGGAA GAAGGGAGTT CAAGAGAAGG AGAAGAACAA GAGGAGAGGA GGAAGCTGCC TCTCCCTCTT CTTCCCTCAA GTTCTCTTCC TCTTCTTGT CTCCTCTCCT CCTTCGACGG
361	ACGAGGGAG ATGGGCCATG AGAACCTGGC CAGGAGAAAT AGCCAGTATC TGGAGTACAC TGCTCCCCTC TACCCGGTAC TCTTGAACCG GTCCTCTTTA TCAGGTATAG ACCTCATGTG
421	CACTGAGGAG GTAGCCAGGC TAGCAGTTAG AAGAGTAGAT TAGGGTTAT TTTTCCCCA GTGACTCCTC CATCGGTCCG ATCGTCAATC TTCTCATCTA ATCCCCAATA AAAAGGGGT
481	CTCCACATAG TTATCAAAGC CAAATAAAAT AACCATAGTC TGAGTCTCAT CTATTTGAA GAGGTGTATC AATAGTTCG GTTATTTA TTGGTATCAG ACTCAGAGTA GATAAACATT
541	GCTAGTTGGG TATAAGATTA ATTTGGCTGT ACTACAGTTT AGATTTCTAA CATAGGAAC CGATCAACCC ATATTCTAAT TAAACCGACA TGATGTAAA TCTAAAGATT GTATCCTGAA
601	ATCAAAACT TGCTCAAACA AGAACATGCT GACAATATTT TAAATGATT ATTTATATTG TAGTTTTGA ACGAGTTGT TCTTGTACGA CTGTTATAAA ATTTACTAA TAAATATAAC
661	TTTGCACCTT CAAAGTTTC TTCTAAATGT TCCATGGTCA AATTAACAAA TATACATATT AAACGTGAAA GATTCAAAG AAGATTACA AGGTACCACT TTAATTTTT ATATGTATAAA
721	GGCTATTAAA TTCGTCTAAG TGGGGCTGGA GAGATAGCTC AGAGGTTAAG AGCACTGACT CCGATAATTT AAGCAGATTC ACCCCGACCT CTCTATCGAG TCTCCAATTC TCGTGA CTGA
781	GCTCTCCAG AGGTCTGAG TTCAATTCCC AGCGACCACA TGGTGGCTCA CAGCCATCTG CGAGAAGGTC TCCAGGACTC AAGTTAAGGG TCGCTGGTGT ACCACCGAGT GTCGGTAGAC
841	TAATAGATAG GATCTGACGC CCTCTTCTGG AGTGTCTGAA GACAGCTACA ATGTACTCAT ATTATCTATC CTAGACTGCG GGAGAAGACC TCACAGACTT CTGTCGATGT TACATGAGTA
901	ATATATTAAA TAAATAATAT TAGAAAATTC TTCTAAGTGT ATCATTTATA GAATATTAA TATATAATTT ATTTATTATA ATCTTTAAG AAGATTACA TAGAAATAT CTTATAAATT
961	TATATAAAAGT AAATGCCTCA GGAAATATAA ACTTGGATT AAATCAAAGA ACTTCATGAG ATATATTCA TTTACGGAGT CCTTATATT TGAACCTAA TTTAGTTCT TGAAGTACTC
1021	TAGTGGCCA CAAAAAATGT GTACCGAGGG AAGACCGAGG GGAGGGAGA AGGAAGGGAT ATCACCCGGT GTTTTTACA CATGGTCCCC TTCTGGCTC CCTCCCTCT TCCTCCCTA
1081	GGAGATAGAA TTTTGCCTCT GCATTCCTTG GGCTGGCACA GGTATAATGC TGTGGAAATT CCTCTATCTT AAAACGGAGA CGTAAGGAAC CCGACCGTGT CCATATTACG ACACCCCTAA
1141	GGGAAACTAC AAGGAAGCTG CAAAGCTGGG CGGAACCTCGT TTCCGCAAGC TGGGCTCATC CCCTTGATG TTCCCTCGAC GTTTCGACCC GCCTTGAGCA AAGGCCTCG ACCCGAGTAG
1201	TAAGTGTCCA TGCATGGCTG CCACACTGCA GTGAACTTA AACATTGT GTTCCAGAGA ATTACACAGGT ACGTACCGAC GGTGTGACGT CACTGAAAT TTTGAAACA CAAGGTCTCT

Figure 12 (cont.)

1261	TGTAGAGATG CTCACAATAG TACAAAGGCG GGAGGGAGGT ATTCAGAC TAAGAGGAAG ACATCTCTAC GAGTGTATC ATGTTCCGC CCTCCCTCCA TAAAGGTCTG ATTCTCCTC
1321	AAAAACCAATT GCTGATTAAA CATCTGCATA TGAGCGCCCC CACCTCCATA CACACACACA TTTTGGTAA CGACTAATT GTAGACGTAT ACTCGCGGGG GTGGAGGTAT GTGTGTGT
1381	CACACACACA CACACACACA CAACCAAACA GAACAAATAC ACATGCATGT CTACAGCCTG GTGTGTGTGT GTGTGTGTGT GTGGTTTGT CTTGTTATG TGTACGTACA GATGTCGGAC
1441	CAGGAACAAA ATGGTATGTC TGTGAGGAAC CAGGAGATGC ACAGGTCCTA ACCTCTGTCT GTCCTGTGTT TACCATACAG ACACTCCTG GTCCTCTACG TGTCCAGGAT TGGAGACAGA
1501	CCTACAAGCC CTGAAGCTG GTCAGGGTCA AATGTACAAA AGCAGGCTAA GGAAGCTGTT GGATGTTCGG GACTTCAGAC CAGTCCCAGT TTACATGTTT TCGTCCGATT CCTTCGACAA
1561	TAGTGAAGA TTTTTTCTT CAACTCTAGG AACAAACCTAT TTCTTAGGAT TTGGAGAGTG ATCACTTTCTT AAAAAAGAA GTTGAGATCC TTGTTGGATA AAGGATCCTA AACCTCTCAC
1621	CTCAGGAGGA AACATTAGA CAACTGATGC TCTCTGTGTA CCCCAGATTC AGGTATTGGG GAGTCCTCCT TTGTAAGTCT GTGACTACG AGAGACACAT GGGGTCTAAG TCCATAACCC
1681	GTAGTTAGTT GTGCTCATGT ATGTGCTAGA TATATTAGCA CAGCCTGCCT TCTGCTGCAC CATCAATCAA CACGAGTACA TACACGATCT ATATAATCGT GTCGGACGGA AGACGACGTG
1741	AACGCCCTAG AGACCCGGCC TTTCAATGAG CTTAGCTTGT GCTCTGTTTC TGCTCTCTTA TTGCGGAATC TCTGGGCCGG AAAGTTACTC GAATCGAACCA CGAGACAAAG ACGAGAGAAT
1801	GGTCTAAACT ATGGTGTCAAG TTTAATAGA ACAAAAGTAT GCATCTGCC TTGGCTTGAG CCAGATTGA TACCACAGTC AAAATTATCT TGTTTCATA CGTAGAACGG AACCGAACTC
1861	CCTTTCGTT TTCAATGCTG ACTTCTCCCCC TTTCTCTCCT GTGCTCACCT TACCTTCCA GGAAAAGCAA AAGTTACGAC TGAAGAGGGG AAAGAGAGGA CACGAGTGGAT ATGAAAGGT
1921	GAGTGTAGG GACAACCTTT AAGGAGGCGT GTCCCTGGTA GGGGCATCCC TGTTCAACCAG CTCACATTCC CTGTTGAAAA TTCCCTCCGCA CAGGGACCAT CCCCCTAGGG ACAAGTGGTC
1981	GTGCCGTCA TCACCCCCACT TGACTGACAT CTACCCCTGGT GACTATGGGT TCCTCTGTGTT CACGGACAGT AGTGGGGTGA ACTGACTGTA GATGGGACCA CTGATACCCA AGGAGAACAA
2041	TGTAGGGAAC GGTGGCTCCA GGTGGAGGCA TCAATCTGTT GGGTTCTGGT TCCCGGCTGC ACATCCCTTG CCACCGAGGT CCACCTCCGT AGTTAGACAA CCCAACACCA AGGGCCGACG
2101	CTTTGGTTT GAAAGTCTCT TCTCTGTATA TTCCCTACCCCT GCATTTGCTT TGTGTGGTGC GAAACCAAAA CTTTCAGAGA AGAGACATAT AAGGATGGGA CGTAAACGAA ACACACCACG
2161	TGATGCTGTG CGCAGCAGGA TTCTGGATG ACTCTCCATC AGTCACAGAC TCCCCCTGTT ACTACGACAC GCGTCGTCT AAGAACCTAC TGAGAGGTAG TCAGTGTCTG AGGGGGACAA
2221	GCAAAGTGTCA AGGCTGACTC GACAGTCACC GTAAAATCTG AGTCAGTCAC ACACAGGCTG CGTTTCACAG TCCGACTGAG CTGTCAGTGG CATTTCAGAC TCAGTCAGTG TGTGTCCGAC
2281	TCAGGCCACGG CTTCCACTTG CATGGCTATT CTATTTCAC ACGTGAGTTT CTGTTGCTGG AGTCGGTGCC GAAGGTGAAC GTACCGATAA GATAAAAGTG TGCACCTAAA GACAACGACC
2341	CTGGCTGACT GGCATTATCT ATGCTAAGTT GAAATCAGGG GTGCCAGCA GAGCCCATCA GACCGACTGA CCGTAATAGA TACGATTCAA CTTTAGTCCC CACGGGTGCT GTGGGGTAGT
2401	TTCTCACTGT CTTTGAAACAA AAGCTGTACG GTTTGATCGA TGAACGTATT TAAAGCATT AAGAGTGACA GAAACTTTGT TTGACATGC CAAACTAGCT ACTTGCATAA ATTCGTAAA
2461	CATGCAATGA CAAAGTGCTC AGTAGTGGAA GGCAGGGCTGT GACCAGTCTG CCTGCTCCTT GTACGTTACT GTTTCACGAG TCATCACCTT CCGTCCGACCA CTGGTCAGAC GGACGAGGAA

Figure 12 (cont.)

2521	ACTATAATTG TGAGGGATTG TTACTGGAAC AGTACATGGA GGCCTGACCT TGTGGGGCA TGATATTAAC ACTCCTAAAC AATGACCTTG TCATGTACCT CCGGACTGGA ACACCCCCGT
2581	CAGGGTGGAA CCTTAGCTGA ATATAGTGTG TGTCTCAAGA GGAAGTCAGG GTACTAGCTC GTCCCACCTT GGAATCGACT TATATCACAC ACAGAGTTCT CCTTCAGTCC CATGATCGAG
2641	AGTGCTCAAT CTCCAGGTAC TATATATACA TTTGCCCGTT TTATCTCTAA TGTGAAATAA TCACGAGTTA GAGGTCCATG ATATATATGT AAACGGGCAA AATAGAGATT ACACCTTATT
2701	ATCCCCAAAC ACTTGTTAT CGTGAGCGT ACCTAAAAGA CTATTCTATT ATGGGTGTCC TAGGGGTTT TGAACAAATAA GCACATCGCA TGGATTTCT GATAAGATAA TACCCACAGG
2761	CCACTTTCTT GGTTGGTCA CCCCCATCCC CCGGTCTTCT GCTGTATCTA GAACAGTGAC GGTGAAAGAA CCAAACCACT GGGGCTAGGG GGCCAGAAGA CGACATAGAT CTTGTCACTG
2821	TATAAATGAT GTATGGGAAT AGTGTTCCTA TATGATCTGT TGTCTGGAGT ATATGCTACA ATATTTACTA CATACTCCTTA TCACAAAGGT ATACTAGACA ACAGACCTCA TATACGATGT
2881	TGTTCATTTA CTGTACAAAA ACCCAGTGC A GCTGATGATG CAAAGCAGTC TCTCTCTGTG ACAAGTAAAT GACATGTTT TGGGTCACGT CGACTACTAC GTTTCGTCAAG AGAGAGACAC
2941	TACAGTGCCC CACCTATTAA AAAATCACGT ACTTGCCAG AACACTGTGA AACACTTAAC ATGTCACGGG GTGGATAAAAT TTTTAGTGC A TGAAACGGGTC TTGTGACACT TTGTGAATTG
3001	ATAAGAACAA ACGCAGCGTC TGGATTCTT CCAAGGAGAG CAGCTTCTC CACAGGAACA TATTCTTGTT TGCGTCGCAG ACCTAAGAAA GGTTCCCTCTC GTGAAAGAG GTGTCCTTGT
3061	CAGTAACAAA AGAGGTCCGC CGCCATCCAC ACCCAGCCAA GACACCTCAG AGGCCATAGG GTCATTGTT TCTCCAGGCG GCGGTAGGTG TGGGTCGGTT CTGTGGAGTC TCCGGTATCC
3121	GACAACCTCC TTGCTGGCA ACACCTGCTG GAGCAGGGC ACAGGTCCCA GCAACTGATC CTGTTGGAGG AACGACGGGT TGTGGACGAC CTCGTCCCCG TGTCAGGGT CGTTGACTAG
3181	CTCAGTGGAT GGGTCTGCAG CCAAAGCCTT AATGGGCTCT CTTTGAGG GGAAAGAAAG GAGTCACCTA CCCAGACGTC GGTTCGGAA TTACCCGAGA GAAAACTTCC CCTTTCTTTC
3241	AATTCAAGC TTATGATATC CAATATTATT ATAGTTGATG AGTTAGTAAA TTCCAAAAAA TTAAAGTTCG AATACTATAG GTTATAATAA TATCAACTAC TCAATCATTT AAGGTTTTT
3301	AAAAGATGAT TTTATATGTA TGACATAAAA AAAATCTTTG TAAAGTGCAG AAGTGAATA TTTCTACTA AAATATACAT ACTGTATTT TTTAGAAC ATTTCACGCG TTCACGTTAT
3361	ATTTAAAGAG GTCTTATCTT TGCACTTATA AATTATAAAAT ATTGTACATG TGTGTAATT TAAATTCTC CAGAATAGAA ACGTAAATAT TTAATATTAA TAACATGTAC ACACATAAA
3421	TTCATGTATT CATTGCACT CTTGTATTT AAAAAAAACT TACTGTTATG TTTGTATAAT AAGTACATAA GTAAACGTCA GAAACATAAA TTTTTGAA ATGACAATAC AAACATATTA
3481	AGAACATTAA TCATTTATTA TAACTCAGAC AAGGTGTAAA TAAATTCTA ATTCAAACAG TCTTGTAAATT AGTAAATAAT ATTGAGTCTG TTCCACATTT ATTAAGTAT TAAGTTGTC
3541	CCAGTATATA TGCACTATATG GGTGTTACAT TGCAAAATC TCTATCTTTG TTCTATTCA GGTCATATAT ACGTATATAC CCACAATGTA ACGTTTTAG AGATAGAAAC AAGATAAGTG
3601	ATGCTTAAAG AAGTAAGAAA TCTTTGTGG ATATGTAATT ATACATATAA AGTATATATA TACGAATTTC TTCATTCTT AGAAAACACC TATACATATAA TATGTATATT TCATATATAT
3661	TATGTATGAT ACATGAAATA TATTAGAAA TGTTCTAAT TTTAATGGAT ATTCTTGTT ATACATACTA TGTACTTTAT ATAAATCTT ACAAGTATTA AAATTACCTA TAAGAAACCA
3721	GTGAATAATT GAATACAACA TTTTAAAT AAAAAAAA AAAAAAAA AAAAAAAA CACTTATTAA CTTATGTTGT AAAAATTAA TTTTTTTTT TTTTTTTTT TTTTTTTTT

Figure 12 (cont.)

3781	AAAATTTTTT TTTTTTTTT TTATTCCAGA GATTAAAGAC ACTAGATCTT TAACCTTGAA TTTTAAAAAA AAAAAAAAATAAGGTCT CTAATTCTG TGATCTAGAA ATTGGAACCTT
3841	GGGCAGGCAA GAGGTCGGCA ATGCTGTCAA CATAGAAGTC AGGGACCATT TTCTTCTTGA CCCGTCCGTT CTCCAGCCGT TACGACAGTT GTATCTTCAG TCCCTGGTAA AAGAAGAACT
3901	ACATGCAGTC ACTTTCTGA TTGCTCTCA CATCCTCAAG GCTCCGGAAT TCCGGGGGTG TGTACGTCAG TGAAAGGACT AACGAGAAGT GTAGGAGTTC CGAGGCCTTA AGGCCCCCAC
3961	TGGTGGCCTT TGATCTCAGG ACTCTGGAGG CAGAAGCAGG CAGATCTCTG TGAATATGAG ACCACCCGAA ACTAGAGTCC TGAGACCTCC GTCTTCGTCC GTCTAGAGAC ACTTATACTC
4021	GCCAGCCTGC ACTACACAGA GCTCCAGACC AGTCATGGCT ACATCATGAA ACCCTGTCTC CGGTCGGACG TGATGTGTCT CGAGGTCTGG TCAGTACCGA TGTAGTACTT TGGGACAGAG
4081	AAAAAGAAAA TAAAAACTGT TGTGTTCTA CCATAGTGT AAACATCAGAG TCTGAGTAAT TTTTCTTTT ATTTTGACA ACACAAAGAT GGTATCACAA TTTGAGTCTC AGACTCATT
4141	GTCGGGCTGA CATGCTCGGG TGTTAACAT ACCTTCAGCT TTGACGAGGC GCTGAACAGT CAGCCCGACT GTACGAGCCC ACAAAATTGTA TGGAAAGTCGA AACTGCTCCG CGACTTGTCA
4201	CAAAGTCTGG CCTTGGGGAG CGGTGGCTGT GTTGTGCTC AAGTCCACCG TGAAATCCTG GTTTCAGACCC GGAACCCCTC GCCACCGACA CAAACACGAG TTCAGGTGGC ACTTTAGGAC
4261	ATTGTGAATT TGGACAACCG TGTCCTTCTT CTTGGCCTTC CATGCAACCT CCAACTTCAT TAACACTTAA ACCTGTTGGC ACAGGAAGAA GAACCGGAAG GTACGTTGGA GGTTGAAGTA
4321	GTTGGTCATT TTGTCAAAAC ACTGTGTGAT GTTTTATCA ATATACTGCC ATTCCACATA CAACCAGTAA AACAGTTTG TGACACACTA CAAAAATAGT TATATGACGG TAAGGTGTAT
4381	TGTAGAGATG TAGTCTGCCT GGCTTCCCTT TTCTTTAGCC AATCGAATGC TCTTGATCAT ACATCTCTAC ATCAGACCGGA CGCAAAGGAA AAGAAATCGG TTAGCTTACG AGAACTAGTA
4441	GCCCTCAATC TCATCTCTAG CTTTATCAC GTCTCTGCTA ATTCTGAAA CTTGAATCGA CGGGAGTTAG AGTAGAGATC GAAAATAGTG CAGAGACGAT TAAGGACTTT GAACCTAGCT
4501	AGTTTCTTC TGTTCATCT CAATGGTGAT GTTCAGTTCC TTCTGAATCT CATTCAAGTT TCAAAAGAAG ACCAAGTAGA GTTACCACTA CAAGTCAAGG AAGACTTAGA GTAAGTCAAA
4561	CTCGTACTCC TCCATGTCAA AGTCACTGAC ACACTCATCG TCATTGGTGT AGGAAAGCTG GAGCATGAGG AGGTACAGTT TCAGTGACTG TGTGAGTAGC AGTAACCACA TCCTTTCGAC
4621	CTCTTGGTA ATCAGTTCTT TTAGCCAGGA GATTGTTTG TTCACACTGT CTACCCCTGA GAGAAACCAT TAGTCAAGGA AATCGGTCTT CTAACAAAAC AAGTGTGACA GATGGGGACT
4681	ACCACATACC TGGAAAACGT TGTGCTCTAT TTTCTTTCC AAAACCAGGG TGTCTTTT TGGTGTATGG ACCTTTGAC ACACGAGATA AAAGAAAAGG TTTGGTCCC ACAAGAAAAA
4741	GGGGGAAGCT TGCTGGAA AGCCAAGAAA GGCTAAAGAG AAAATGGAAA TTAATGTTTC CCCCCTTCGA ACGAACCTT TCGGTTCTT CCGATTCTC TTTACCTTT AATTACAAAG
4801	TTTACTCCC TTCAACATCA AGGTTAGGAA TATGTATTTCA ATAAAAGCTA ACAACTCACA AAAATGAGGG AAGTTGTAGT TCCAATCCTT ATACATAAAG TATTTCGAT TGTGAGTGT
4861	GGCAATCTTA GACATCACTG ACTGCTTGGC AGGCGACTGC TTGGGGGGAG CTGGAGAGCC CCGTTAGAAT CTGAGTGAC TGACGAACCG TCCGCTGACG AACCCCCCTC GACCTCTCGG
4921	TTCTCTTCTT TTGATGTTGT CGTAAAAAAA TTGCAGAATA TGGGGCTGGA AGATAACAAAC AAGAGAAAAGA AAGTACAACA GCATTTTTT AACGTCTTAT ACCCCGACCT TCTATTGTTG
4981	TTTAACCTCTC TTACAGCCT GCAGTGTATT TTTCTGGACA AATTCTCAA TGGCATCTAT AAATTGAGAG AAGTGTGGAA CGTGAACAAA AAAGACCTGT TTAAGAAGTT ACCGTAGATA

Figure 12 (cont.)

5041	TATCGCTTT GCTACTACGT TTGGGTCTG TTGAGCATT CCTTCAAAAA CAAAAAAAGC ATAGCGAAAA CGATGATGCA AACCAGGAC AACTCGAAA GGAAGTTTT GTTTTTTCG
5101	ACATTTAA AAAGTCAGG TTAAGATCCA CCTGAAAAA AAAGCTGCAA TATAAGCGAG TGTAAAAATT TTTCAGTTCC AATTCTAGGT GGACGTTTT TTTCGACGTT ATATTCGCTC
5161	GAATTCTAGT TGTACAGGA AATAAAAATG TCTGTTCCA CTATAATCAA TGTAGACTGA CTTAAGATCA ACAGTGTCT TTATTTTAC AGACAAGGGT GATATTAGTT ACATCTGACT
5221	TAATATTATG CCAGCAAATA GTTTGAAGT CCTAGGCACA GTGGGAGGAG GTTTGTTCC ATTATAATAC GGTCGTTAT CAAAACCTCA GGATCCGTGT CACCCTCCTC CAAAACAAGG
5281	ACGCTGTTCA TAAGCCAATA CCCCAGCAAA AGACCTTAAA GGACAACTTG TAATTTGGGA TGCAGCAAGT ATTCGGTTAT GGGGTCGTTT TCTGGAATT CCTGTTGAAC ATTAAACCCCT
5341	CATTCACATC TGTCTCTTC ATCTGATCTG GCTCCCAGTG TCACTCTCTA ACACGGTCCT GTAAGTGTAG ACAGGAGAAG TAGACTAGAC CGAGGGTCAC AGTGAGAGAT TGTGCCAGGA
5401	TAGAGGGACA ATTTATCCCT GCCTCTGCTT GATCTTATGC ATGTATCTGT ATTCTTCCAG ATCTCCCTGT TAAATAGGGA CGGAGACGAA CTAGAATACG TACATAGACA TAAGAAGGTC
5461	CCATCCCTGG CGACCTGATT TTTCTAAGGC ACCCAAAACT GTAAGCTACT TCTTATAATC GGTAGGGACC GCTGGACTAA AAAGATTCCG TGGGTTTGA CATTGATGA AGAATATTAG
5521	TATAATTCTG AGCATATTAG TTAGCCTGAG CCTCCAGGAT ATCTTCTTC CCTATACTCA ATATTAAGAC TCGTATAATC AATCGGACTC GGAGGTCTA TAGAAAGAAG GGATATGAGT
5581	GTCCAGTTT AGCTGCCAG AAGGATTCAA AGCTGATCTA CGAGTAGATC ACTCCTGTCT CAGGTCAAAA TCGACGGGTC TTCTTAAGTT TCGACTAGAT GCTCATCTAG TGAGGACAGA
5641	ACAGCTTGTT CCAGATCTG TTTCTCAAGC CCTGGAAGCC ATCAGCCAGG TAAGATTGTA TGTCGAACAA GGTCTAGAAC AAAGAGTTCG GGACCTTCGG TAGTCGGTCC ATTCTAACAT
5701	AAACAATCCC TTTCTAATCA TGGGTGTGGC CCAAAGTGA TGCCCGAAT TC TTTGTAGGG AAAGATTAGT ACCCACACCG GGTTCACTT ACCGGCCTTA AG

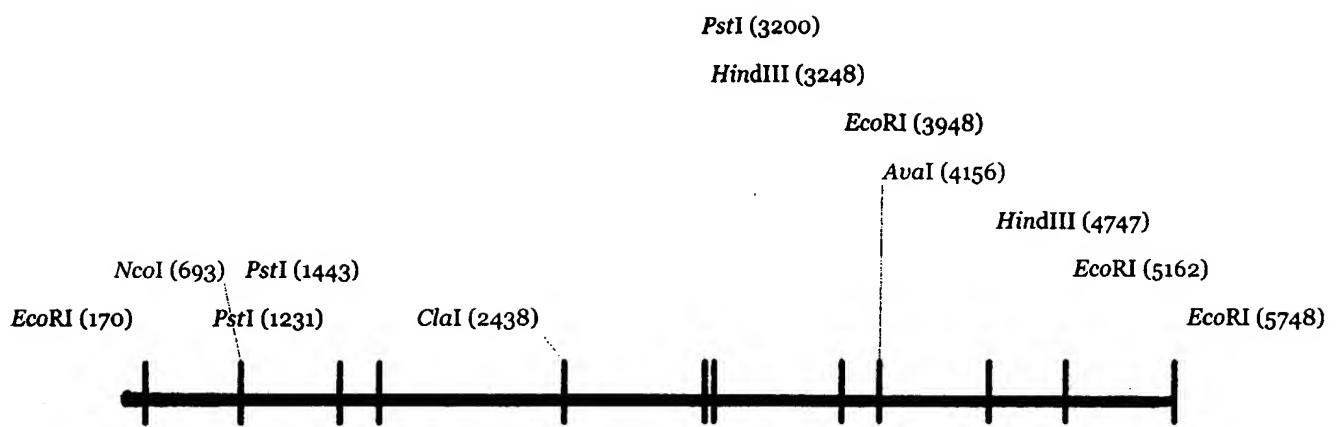


Figure 13

5752 bp

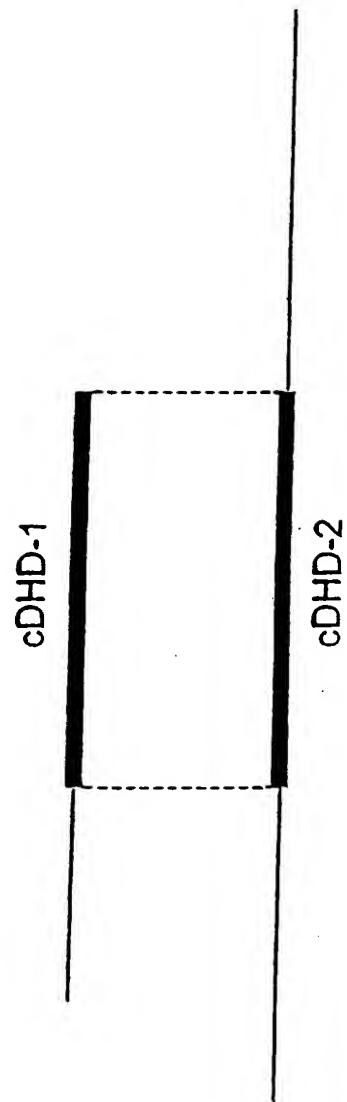


Figure 14

Figure 15

1	CGCCCGGGCA	GGTCTGTTGG	AGGGCAGTTG	GTCAACCTGA	CCAGAGAGAG	CTGAGCTGGA
	CGGGGCCGT	CCAGACAACC	TCCCGTCAAC	CAGTTGGACT	GGTCTCTCTC	GACTCGACCT
61	AGACCCCCACT	GATGGTGTGC	TGCCCTTCAG	TCCAGGAAGA	AAGAAAGGAA	GGATTCTGAG
	TCTGGGGTGA	CTACCACACG	ACGGAAAGTC	AGGTCTTCT	TTCTTCCTT	CCTAAGACTC
121	GATTGGGCA	AAGCCACATT	CCTGGAGAAG	TCTGTATACT	GATGCCAAC	CCAAGAGCTG
	CTAAACCCGT	TTCGGTGAA	GGACCTCTTC	AGACATATGA	CTACGGTTG	GGTTCTCGAC
181	AGCTGCTGAT	GAGGCCAGG	GAGTAGCCCA	CGCGCCCTGA	GCTGTTGGCT	AGCAAGGCCT
	TCGACGACTA	CTCCGGGTCC	CTCATCGGGT	CGCAGGGACT	CGACAACCAGA	TCGTTCCGGA
241	TCCTGCTCCA	TGTGGCATGG	AAAAATTATA	TGGTTGACG	GATGAAAAGG	TGAAGGCCTA
	AGGACGAGGT	ACACCGTACC	TTTTAATAT	ACCAAACCTGC	CTACTTTCC	ACTTCCGGAT
301	TCTTCTCTC	CATCCCCAGG	TATTAGATGA	ATTTGTTCT	GAAAGTGT	GTGCAGAGAC
	AGAAAGAGAG	GTAGGGTCC	ATAATCTACT	AAACAAAGA	CTTCACAAT	CACGTCTCTG
361	TGTGAAAAG	TGGCTGAAGA	GGAAAACCAA	CAAAGCAAAA	GATGAACCAT	CTCCCAAGGA
	ACACCTTTTC	ACCGACTTCT	CCTTTGGTT	GTTCGTTT	CTACTTGGTA	GAGGGTCCCT
421	AGTCAGCAGG	TACCAGGATA	CGAATATGCA	GGGAGTCGTG	TACGAGCTGA	ACAGCTACAT
	TCAGTCGTCC	ATGGTCCTAT	GCTTATACGT	CCCTCAGCAC	ATGCTCGACT	TGTCGATGTA
481	AGAGCAGCGC	CTGGACACGG	GCGGGGACAA	CCACCTGCTC	CTCTATGAGC	TCAGCAGCAT
	TCTCGTCGCG	GACCTGTGCC	CGCCCCGTGTT	GGTGGACGAG	GAGATACTCG	AGTCGTCGTA
541	CATCAGGATA	GCCACAAAAG	CCGACGGATT	TGCACTGTAC	TTCCTTGAG	AGTGCAATAA
	GTAGTCCTAT	CGGTGTTTC	GGCTGCCTAA	ACGTGACATG	AAGGAACCTC	TCACGTTATT
601	TAGCCTGTGT	GTGTTCATAC	CACCCGGGAT	GAAGGAAGGC	CAACCCCGGC	TCATCCCTGC
	ATCGGACACAA	CACAAGTATG	GTGGGCCCTA	CTTCCTCCG	GTTGGGCCG	AGTAGGGACG
661	AGGGCCATC	ACCCAGGGTA	CCACCATCTC	TGCCTACGTG	GCCAAGTCTA	GGAAGACGTT
	TCCGGGTAG	TGGGTCCCAT	GGTGGTAGAG	ACGGATGCAC	CGGTTCAAGAT	CCTTCTGCAA
721	GTTGGTAGAG	GATATCCTTG	GGGATGAGCG	ATTCCTCGA	GGTACTGGCC	TGGAATCAGG
	CAACCATCTC	CTATAGGAAC	CCCTACTCGC	TAAAGGAGCT	CCATGACCGG	ACCTTAGTCC
781	AACCCGCATC	CAGTCTGTT	TTTGCTTGCC	CATTGTCACT	GCCATTGGAG	ACTTGATTGG
	TTGGCGTAG	GTCAGACAAG	AAACGAACGG	GTAACAGTGA	CGGTAACCTC	TGAACTAAC
841	CATCCTGAA	CTGTACAGGC	ACTGGGGCAA	AGAGGCCCTC	TGCCTCAGCC	ATCAGGAGGT
	GTAGGAACCT	GACATGTCCG	TGACCCCGTT	TCTCCGGAAG	ACGGAGTCGG	TAGTCCTCCA
901	TGCAACAGCC	AATCTTGTT	GGGCTCCGT	AGCAATACAC	CAGGTGCAGG	TGTGTAGAGG
	ACGTTGTCGG	TTAGAACGAA	CCCGAAGGCA	TCGTTATGTG	GTCCACGTCC	ACACATCTCC
961	TCTGCCAAA	CAGACCGAAC	TGAATGACTT	CCTACTCGAC	GTATCAAAGA	CATACTTGA
	AGAGCGGT	GTCTGGCTTG	ACTTACTGAA	GGATGAGCTG	CATAGTTCT	GTATGAAACT
1021	TAACATAGTT	GCCATAGACT	CTCTACTTG	ACACATCATG	ATATATGCAA	AAAATCTAGT
	ATTGTATCAA	CGGTATCTGA	GAGATGAAC	TGTGTAGTAC	TATATACGTT	TTTTAGATCA
1081	GAACGCCGAC	CGCTGCGCG	TCTTCCAGGT	GGACCACAAAG	AACAAGGAGC	TGTACTCGGA
	CTTGGCGCTG	GCGACGCGCG	AGAAGGTCCA	CCTGGTGTTC	TTGTTCCCTCG	ACATGAGCCT
1141	CCTGTTGAC	ATTGGGGAGG	AGAAGGAGGG	GAAGCCATC	TTCAAGAAGA	CCAAGGAGAT
	GGACAAACTG	TAACCCCTCC	TCTCCTCCC	CTTCGGTAG	AAGTTCTCT	GGTCCTCTA
1201	CAGATTTCC	ATTGAGAAAG	GGATTGCTGG	TCAAGTGGCA	AGAACAGGGC	AAGTCTGAA
	GTCTAAAAGG	TAACTCTTTC	CCTAACGACC	AGTTCACCGT	TCTTGTCCGC	TTCAGAACTT

Figure 15 (cont.)

1261	CATTCCCGAT	GCCTACGCGG	ACCCTCGCTT	TAACAGGGAG	GTGGACCTGT	ACACAGGCTA
	GTAAGGGCTA	CGGATGCGCC	TGGGAGCGAA	ATTGTCCCTC	CACCTGGACA	TGTGTCCGAT
1321	CACCACGAGG	AACATTCTGT	GTATGCCCAT	AGTGAGCCGA	GGCAGCGTGA	TTGGCGTGGT
	GTGGTGCTCC	TTGTAAGACA	CATACTGGTA	TCACTCGGCT	CCGTGCGACT	AACCGCACCA
1381	GCAGATGGTG	AACAAGATCA	GCGGTAGCGC	CTTCTCCAAG	ACAGACGAGA	ACAACATTCAA
	CGTCTACCAC	TTGTTCTAGT	CGCCATCGCG	GAAGAGGTTC	TGTCTGCTCT	TGTTGAAGTT
1441	GATGTTTGCT	GTCTTCTGCG	CACTGGCCTT	GCACGTGCT	AACATGTACC	ACAGGATCCG
	CTACAAACGA	CAGAAGACGC	GTGACCGGAA	CGTGACACGA	TTGTACATGG	TGTCTTAGGC
1501	CCACTCAGAA	TGCATCTACA	GGGTTACCAT	GGAGAAGCTT	TCCTACCACA	GCATCTGCAC
	GGTGAGTCTT	ACGTAGATGT	CCCAATGGTA	CCTCTCGAA	AGGATGGTGT	CGTAGACGTG
1561	CTCCGAGGAG	TGGCAAGGCC	TCATGCGCTT	CAACCTACCA	GCACGCATCT	GCCGGGACAT
	GAGGCTCCTC	ACCGTTCCGG	AGTACGCGAA	GTTGGATGGT	CGTGCCTAGA	CGGCCCTGTA
1621	CGAGCTATTTC	CACTTTGACA	TTGGTCCTTT	CGAGAACATG	TGGCCTGGGA	TCTTTGTCTA
	GCTCGATAAG	GTGAAAATGT	AACCAGGAAA	GCTCTGTAC	ACCGGACCCCT	AGAAACAGAT
1681	CATGATCCAT	CGGTCTTGTG	GGACATCCTG	TTTGAACCTT	GAAAAATTGT	GCCGTTTTAT
	GTACTAGGTA	GCCAGAACAC	CCTGTAGGAC	AAAACTTGAA	CTTTTTAACAA	CGGCAAAATA
1741	CATGTCTGTG	AAGAAGAACT	ATCGGCGGGT	TCCTTACACAC	AACTGGAAGC	ATGCAGTCAC
	GTACAGACAC	TTCTTCTTGA	TAGCCGCCA	AGGAATGGTG	TTGACCTTCG	TACGTCACTG
1801	GGTGGCACAC	TGCATGTATG	CCATACTTCA	AAACAACAAT	GGCCTCTTCA	CAGACCTCGA
	CCACCGTGTG	ACGTACATAC	GGTATGAAGT	TTTGTGTTA	CCGGAGAAGT	GTCTGGAGCT
1861	GCGCAAAGGC	CTGCTAATTG	CGTGTCTGTG	CCATGACCTG	GACCACAGGG	GCTTCAGTAA
	CGCGTTCCG	GACGATTAAC	GCACAGACAC	GGTACTGGAC	CTGGTGTCCC	CGAAGTCATT
1921	CAGCTACCTG	CAGAAGTTCG	ACCACCCCT	GGCGGCCGTG	TACTCCACCT	CCACCATGGA
	GTCGATGGAC	GTCTTCAAGC	TGGTGGGGGA	CCGCGCGAC	ATGAGGTGGA	GGTGGTACCT
1981	GCAACACCAC	TTCTCCCAGA	CGGTGTCCAT	CCTTCAGCTG	GAAGGGCACA	ATATCTTCTC
	CGTTGTGGTG	AAGAGGGTCT	GCCACAGGTA	GGAAAGTCGAC	CTTCCCGTGT	TATAGAAGAG
2041	CACCCGTAGC	TCCAGCGAGT	ACGAGCAGGT	GCTGGAGATC	ATCCGCAAAG	CCATCATCGC
	GTGGGACTCG	AGGTCGCTCA	TGCTCGTCCA	CGACCTCTAG	TAGGCCTTTC	GGTAGTAGCG
2101	CACCGACCTC	GCCCTATACT	TTGGGAACAG	GAAGCAGTTG	GAGGAGATGT	ACCAGACAGG
	GTGGCTGGAG	CGGGATATGA	AACCCCTGTC	CTTCGTCAAC	CTCCTCTACA	TGGTCTGTCC
2161	GTCGCTGAAC	CTCCACAAAC	AGTCCCATCG	AGACCGTGTG	ATCGGCTTGA	TGATGACTGC
	CAGCGACTTG	GAGGTGTTGG	TCAGGGTAGC	TCTGGCACAG	TAGCCGAACT	ACTACTGACG
2221	CTGTGATCTT	TGCTCTGTGA	CCAAACTATG	GCCAGTTACA	AAATTGACAG	CGAATGATAT
	GACACTAGAA	ACGAGACACT	GGTTTGATAC	CGGTCAATGT	TTTAACTGTC	GCTTACTATA
2281	ATATGCAGAA	TTCTGGGCTG	AGGGTGATGA	GATGAAGAAG	CTGGGCATAC	AGCCCATTCC
	TATACGTCTT	AAGACCCGAC	TCCCACTACT	CTACTTCTTC	GACCCGTATG	TCGGGTAAGG
2341	TATGATGGAC	AGAGACAAGC	GAGATGAAGT	CCCTCAAGGG	CAGCTCGGAT	TCTACAATGC
	ATACTACCTG	TCTCTGTTCG	CTCTACTTCA	GGGAGTTCCC	GTCGAGCCTA	AGATGTTACG
2401	TGTGGCCATT	CCCTGCTATA	CCACCTTGAC	GCAGATCCTC	CCACCCACAG	AGCCTCTGCT
	ACACCGTAA	GGGACGATAT	GGTGGAACTG	CGTCTAGGAG	GGTGGGTGTC	TCGGAGACGA
2461	GAAGGCCTGC	AGGGATAAAC	TCAATCAGTG	GGAGAAGGTA	ATTGCGGGGG	AAGAGACAGC
	CTTCCGGACG	TCCCTATTGG	AGTTAGTCAC	CCTCTTCCAT	TAAGCGCCCC	TTCTCTGTGCG

Figure 15 (cont.)

2521	AATGTGGATT TCAGGCCAG GCCCGCGCC TAGCAAGAGC ACACCTGAGA AGCTGAACGT TTACACCTAA AGTCCGGTC CGGGCCGCGG ATCGTTCTCG TGTGGACTCT TCGACTTGCA
2581	GAAGGTTGAA GACTGATCCT GAAGTGACGT CCTGATGTCT GCCCAGCAAC CGACTCAACC CTTCCAACCTT CTGACTAGGA CTTCACTGCA GGACTACAGA CGGGTCGTTG GCTGAGTTGG
2641	TGCTTCTGTG ACTTCGTTCT TTTGTTTC AAGGGTGAA AACCCCCCTGT CAGAAGGTAC ACGAAGACAC TGAAGCAAGA AAAACAAAAG TTCCCCACTT TTGGGGGACA GTCTTCCATG
2701	CGTCGCATAT CCATGTGAAG CAGACGACTC CCTGCTTGCC GCACACACCT CGGACAGTGA GCAGCGTATA GGTACACTTC GTCTGCTGAG GGACGAACGG CGTGTGTGGA GCCTGTCACT
2761	GCAACCCAGG CTCTGCCGTG TTCAGACGTC GGCTACTCCG TGGCTCCACC TGACCTCCGA CGTTGGTCC GAGACGGCAC AAGTCTGCAG CCGATGAGGC ACCGAGGTGG ACTGGAGGCT
2821	ATGCTATTTG CTCCCAGGCC AGCACTGCAC TGTCTGGAGG GGGCAGAGAC CACAGGAGAG TACGATAAAC GAGGGTCCGG TCGTGACGTG ACAGACCTCC CCCGTCCTCTG GTGTCCTCTC
2881	GTTCTGCCT GCATCCTCCC ATGAGGGTGT GGCCAGTTCC CTAGTTCTGT GCCATGCTGC CAAGAACGGA CGTAGGAGGG TACTCCCACA CCGGTCAAGG GATCAAGACA CGGTACGACG
2941	TGCTTGGTGG CATTGGTTAG GAATGGGACA CACGCCCCCTT GTGTGAAGT TTACATGTGA ACGAACCACC GTAACCAATC CTTACCCCTGT GTGCGGGGAA CAACACTTCA AATGTACACT
3001	CCTTCTTATA GGTTAACTGA GTTGTGGCC TGGACACATG TAATGAAGGT CACAGTCCAC GGAAGAATAT CCAATTGACT CAAACACCGG ACCTGTGTAC ATTACTTCCA GTGTCAGGTG
3061	AGGTGACAGA GAAATCCAAA CTGTTGATTA CAGGTGCACT ACAGGTATGC TCTTCAGTC TCCACTGTCT CTTAGGTTT GACAACATAAT GTCCACGTGA TGTCCATACG AGAAAGTCAG
3121	TATCTGGGGG CACATAGGTG AGTCTGCTCC ACTCAGAANN AAGCATAACCT CTGCCCTCAT ATAGACCCCC GTGTATCCAC TCAGACGAGG TGAGTCTNN TTCGTATGGA GACGGGAGTA
3181	CCAGGGGACA CAGGGTACAT CCCAGGCATC GGGGAACCTGA AGCTCTCACT TCAAACCATG GGTCCCCTGT GTCCCATGTA GGGTCCGTAG CCCCTTGACT TCGAGAGTGA AGTTGGTAC
3241	TCAAAGAATT AAAACACCTC CCCTCCCCCT CACTGTAGCC TTCGACAAC GCGCCAATCC AGTTCTTAA TTTTGTGGAG GGGAGGGGGA GTGACATCGG AAGCTGTTGA CGCGGTTAGG
3301	CTTTATACAA AGAAAATAAA AGTAAGGCAT ATAAATTTC TCCAGCAAGC AAATCTTGTG GAAATATGTT TCTTTATTT TCATTCCGTA TATTTAAAGG AGGTGTTCG TTTAGAACAC
3361	GGTAAAAAAA AAGCATGTGA ATNNTAACAA CNTCTANANT NTCNCNGNAT GTTATGGCAG CCATTTTTT TTGTCACACT TANNATTGTT GNAGATNTNA NAGNGNCNTA CAATACCGTC
3421	AATTTAGTC ACGTCCAAAA CAAAAAGATT ATTCCAGAAG ATACCTCATC CTATGCCTGA TTAAAATCAG TGCAAGTTTT GTTTTCTAA TAAGGTCTTC TATGGAGTAG GATACGGACT
3481	AAGGCTCCAC AGCATGGCGT CCGTCTCCCA GGGTTCTGAT CCGTCTCCCT ACGGTCAAT TTCCGAGGTG TCGTACCGCA GGCAGAGGGT CCCAAGACTA GGCAGAGGAG TGCCACGTTA
3541	CAGGCAGGAC AGAGAGGAGG GCTGCAGGGC TACCACATTG ACCCAGAAGG TATCTCCTCT GTCCGTCCTG TCTCTCCTCC CGACGTCCCCG ATGGTGTAAAC TGGGTCTTCC ATAGAGGAGA
3601	CACCATTCAAG ACATCCATAA GGAATGCCAA ATGCTGTATT GAATAGTTCT CTGTGTGACT GTGGTAAGTC TGTAGGTATT CCTTACGGTT TACGACATAA CTTATCAAGA GACACACTGA
3661	TTCTAGAGAA GCCAGGACAC CCTGAGCCTT TCCNGGGAA CTCTAAGGAG TCACAGGTT AAGATCTCTT CGGTCCGTG GGACTCGGAA AGGNCCCCCTT GAGATTCCCTC AGTGTCCAAG
3721	ACACCGTGGG GATTTTCAGG ATAGCATGGA GACAGAGATC CGGTGTTGT TCTCACTCGT TGTGGCACCC CTAAAAGTCC TATCGTACCT CTGTCTCTAG GCCAGCAACA AGAGTGAGCA

Figure 15 (cont.)

3781	GAGCCTTGAG AAGGAGAGAC TGACCAGAAA CACTCACTCA GCACTCTGCA GGAGCAGGAG CTCGGAACTC TTCCCTCTG ACTGGTCTTT GTGAGTGAGT CGTGAGACGT CCTCGTCCTC
3841	AAGATACTTT AAGATGAATC TTGGATAGAT TTTGATACAC CCAATACCAT ACACACAGGA TTCTATGAAA TTCTACTTAG AACCTATCTA AACTATGTG GTTATGGTA TGTGTGTCCT
3901	GCTTGGCATT TGCAAAGTCT ATTCACTTTC CTTCCGCGCT CTGACCCACG GTTGTAGCGG CGAACCGTAA ACAGTTTCAGA TAAGTCAAAG GAAGGCGCGA GACTGGGTGC CAACATCGCC
3961	AGTGGGCTGA ACACTGTAAC ACTGTACATG CGATTTCCCC ATGGGCTTCT AAAATGTCAC TCACCCGACT TGTGACATTG TGACATGTAC GCTAAAGGGG TACCCGAAGA TTTTACAGTG
4021	CATCTCCTCC CCTGCTGTGT CCTACTCCAT TTACTGGTTA CAAGGTGATG TCAACAAGAG GTAGAGGAGG GGACGACACA GGATGAGGTA AATGACCAAT GTTCCACTAC AGTTGTTCTC
4081	AAGCTATCAC AACACCAGGG CTGTGCACAC GTGCACACAC ATGTATGCAC AAGCACACAG TTCGATAGTG TTGTGGTCCC GACACGTGTG CACGTGTG TACATACGTG TTCGTGTGTC
4141	ATGTATGTAC AGCACACACA CACACACACA CCCCCAAAAGG AGAGAAAAGG AAGAAAACAT TACATACATG TCGTGTGTGT GTGTGTGTGT GGGGTTTCC TCTCTTTCC TTCTTTGTA
4201	TTATAAAAAG CGACAGCTAC CCCATATCAA AATAGTCTTT CCTGTAGGAA ACAGGAGCTC AATATTTTC GCTGTCGATG GGGTATAGTT TTATCAGAAA GGACATCCTT TGTCCCTCGAG
4261	TCCATAAGGA ATTATCATGA GTGTGTTCTC CCATCAGTGC ACTCTCCCAG GGGTGTAC AGGTATTCCCT TAATAGTACT CACACAAGAG GGTAGTCACG TGAGAGGGTC CCCACGAGTG
4321	TGAAGCTGGT CCACRTCTAT AAACAGGTGA CACTGGTGC AGCAAAAAGC CATTGATCC ACTTCGACCA GGTGYAGATA TTTGTCCACT GTGACCGACG TCGTTTTCG GTAAGCTAGG
4381	ACACAAATTG ATCTTCTATC ATCTTGAAT CTGAATTGCA GGGAGGAGCA GYATGTAAGA TGTGTTAAC TAGAAGATAG TAGAACCTTA GACTTAACGT CCCTCCTCGT CRTACATTCT
4441	CGACCGTTA ATTCAAGGAT TCCGAAGGCA TGAGCGCATG GATTCTRTCA CCAAGCGTAT GCTGGCAAAT TAAGTCCGTA AGGCTTCCGT ACTCGCGTAC CTAAGAYAGT GGTTCCGCATA
4501	AAAAGGACCC TGGCATTGGG AAACCTATGA CGGACTGTTT TTGCTGTAGA AGTAGGGATT TTTCCTGGG ACCGTAACCC TTTGGATACT GCCTGACAAA AACGACATCT TCATCCCTAA
4561	TTACAGAACT CTCCTTGRAT TTGCCCTGCC TGGGGCAGTT TTGCAGAGGA ACCTGCCAGA AATGTTCA GAGGAACYTA AACGGGACGG ACCCGTCAA AACGTCTCCT TGGACGGTCT
4621	GATTATTGG CTGGTCAGTC TCTGTGAAA TAGTATCATG TGAGAAACAG TTTGTAGAAA CTAAATAACC GACCAGTCAG AGAACACTTT ATCATAGTAC ACTCTTTGTC AAACATCTTT
4681	AAAACTATAC CTGGGAAGAC CTTGCAACA TTGTTCCCTC CATGGGCCAA GACTCAGTTA TTTGATATG GACCCTCTG GAAACGTTGT AACAAAGGAAG GTACCCGGTT CTGAGTCAT
4741	GGAGGCATAA ATCTGCCGG AATAAACTAG GCCAGGATAC AGCCATGTTT AGTTAATAAT CCTCCGTATT TAGACGGGCC TTATTTGATC CGGTCCATG TCGGTACAAA TCAATTATTA
4801	TTGGTTTAG AATTCAACACA GGCAGGATTG GTTTTTTGT GTCTGGCAA GTGGAGCATA AACCAAAATC TTAAGTGTGT CCGTCCTAAC CAAAAAAACA CAGAACCGTT CACCTCGTAT
4861	TTTAACATAC AGGCATGGGA ATCTGCCTC TTAGCTTTTC CCACCCCTCTT GTCTCACCAA AAATTGTATG TCCGTACCT TAGGACGGAG AATCGAAAAG GGTGGGAGAA CAGAGTGGTT
4921	GTTTTTCTC TCCAAAGGTT TCCAGGAATT TCTCATTAAT GGCTGATGCA AACCTAGTGA CAAAAAAGAG AGGTTCCAA AGGTCCTTAA AGAGTAATTA CCGACTACGT TTGAATCACT
4981	ATAATAATGA ATATAAACAA TGCTCACCTC ACCAAAATTA TATTATTTGC AGTCATTGTT TATTATTACT TATATTGTT ACGAGTGGAG TGGTTTAAT ATAATAAACAG TCAGTAAACA

Figure 15 (cont.)

5041	GATAACACAA ATTTTATCGC AATGGTTATT ATTTAATTG TGCCACACA CTGTGGTTAT CTATTGTGTT TAAAATAGCG TTACCAATAA TAAATTAAAC ACCGGTGTGT GACACCAATA
5101	CTTTGTTGT GGTTGTTCT GAGAAAATGT TCTTGGATAT GTAAGTGCCA ATACCAGTGT GAAAACAACA CCAACAAAGA CTCTTTACA AGAACCTATA CATTACCGT TATGGTCACA
5161	GAAGTATTGA TCCCAGGCAG CAAAATACAG CCTAAGGTTT GTAAACATCA ATTCTATCTC CTTCATAACT AGGGCCCGTC GTTTATGTC GGATTCCAAA CATTGTTAGT TAAGATAGAG
5221	AGTCATCAG AGGGCCTGAG AAGCTGCAGG GCAGTGTAAA GTAAAGTATG CTGGGCTGGT TCAAGTAGTC TCCCAGACTC TTGACGCC CGTCACATTT CATTTCATAC GACCCGACCA
5281	GGTGGTCAGC CTCCCCTGC CAAGAAGAGA GCAATTGAAT CCTGTCCCCA GCTCCCTCCA CCACCAGTCG GAGGGGAACG GTTCTTCTCT CGTTAACTTA GGACAGGGGT CGAGGGAGGT
5341	CGCCTGAAGA GTGACCAGTG CTGGCCCCGAC GGATCGCTGA GATATTCTCC CATAATGGCA CGGGACTTCT CACTGGTCAC GACCGGGCTG CCTAGCGACT CTATAAGAGG GTATTACCGT
5401	AAAAAAATAGG CAGTTTGATG TGACCTGTT AGTGTGGCTC TCCTCTTTG AGCATGTGTT TTTTTATCC GTCAAACATAC ACTGGACAAA TCACACCGAG AGGAGAAAAC TCGTACACAA
5461	AGCATTTTA TTTTATACTC ATCCAGTGAA CTCTGCTCTT CCAAGTGTGT TCATGTATGT TCGTAATAAT AAAATATGAG TAGGTCACTT GAGACGAGAA GTTCAACACA AGTACATACA
5521	GCTAGATATA TTAGCACACGC CTGCCTTCTG CTGCACAAACG CCTTAGAGAC CGGGCCTTTC CGATCTATAT AATCGTGTGCG GACCGGAAGAC GACGTGTTGC GGAATCTCTG GGCGGAAAG
5581	AATGAGCTTA GCTTGTGCTC TGTTTCTGCT CTCTTAGGTC TAAACTATGG TGTCAGTTTT TTACTCGAAT CGAACACCGAG ACAAGACGA GAGAATCCAG ATTGATACC ACAGTCAAA
5641	AATAGAACAA AAGTATGCAT CTTGCCTTGG CTTGAGCCTT TTCGTTTCA ATGCTGACTT TTATCTGTT TTCATACGTA GAACCGAACC GAACTCGGAA AAGCAAAAGT TACGACTGAA
5701	CTCCCTTTC TCTCCTGTGC TCACCTTACCTTCCAGAGT GTAAGGGACA ACTTTAAGG GAGGGAAAG AGAGGACACG AGTGAATGG AAAGGTCTCA CATTCCCTGT TGAAAATTCC
5761	AGGCGTGTCC CTGGTAGGGG CATCCCTGTT CACCAGGTGC CTGTCATCAC CCCACTTGAC TCCGCACAGG GACCATCCCC GTAGGGACAA GTGGTCCACG GACAGTAGTG GGGTGAAC
5821	TGACATCTAC CCTGGTGACT ATGGGTTCCCTTGTGTTGTA GGGAACGGTG GCTCCAGGTG ACTGTAGATG GGACCACTGA TACCCAAAGGA GAACAAACAT CCCTTGCCAC CGAGGTCCAC
5881	GAGGCATCAA TCTGTTGGGT TCTGGTTCCTTGGCTGCCTTT GGTTTGAAA GTCTCTTCTC CTCCGTAGTT AGACAACCCA AGACCAAGGG CCGACGGAAA CCAAAACTTT CAGAGAAGAG
5941	TGTATATTCC TACCTGCAT TTGCTTGTG TGGTGCTGAT GCTGTGGCAG TAGGATCTTG ACATATAAGG ATGGGACGTA AACGAAACAC ACCACGACTA CGACACCGTC ATCCTAGAAC
6001	GATGACTCTC CATCAGTCAC AGACTCCCCC TGTTGCAAAG TGTCAGGCTG ACTCGACAGT CTACTGAGAG GTAGTCAGTG TCTGAGGGGG ACAACGTTTC ACAGTCCGAC TGAGCTGTCA
6061	CACCGTAAAAA TCTGAGTCAG TCACACACAG GCTGTCAAGCC ACAGGCTTCA CTTGCATGGC GTGGCATTTC AGACTCAGTC AGTGTGTGTC CGACAGTCGG TGCCGAAGGT GAACGTACCG
6121	TATTCTATTT TCACACGTGA GTTCTGTTG CTGGCTGGCT GACTGGCATT ATCTATGCTA ATAAGATAAA AGTGTGCACT CAAAGACAAC GACCGACCGA CTGACCGTAA TAGATACGAT
6181	AGTTGAAATC AGGAGTGTGC CCAGCAGAGC CCATCATTCT CACTGTCTT GAAACAAAGC TCAACTTTAG TCCTCACACG GGTCGTCTCG GGTAGTAAGA GTGACAGAAA CTTGTTTCG
6241	TGTACGGTTT GATCGATGAA CGTATTTAAA GCATTTCATG CAATGACAAA GTGCTCAGTA ACATGCCAAA CTAGCTACTT GCATAAATT CGTAAAGTAC GTTACTGTTT CACGAGTCAT

Figure 15 (cont.)

6301	GTGGAAGGCA GGCTGTGACC AGTCTGCCTG CTCCTTACTA TAATTGTGAG GATTTGTTAC CACCTTCGGT CCGACACTGG TCAGACGGAC GAGGAATGAT ATTAACACTC CTAAACAATG
6361	TGGAACAGTA CATGGAGGCC TGACCTTGTG GGGGCACAGG GTGGAACCTT AGCTGAATAT ACCTTGTCA GTACCTCCGG ACTGGAACAC CCCCCTGTCC CACCTTGAA TCGACTTATA
6421	AGTGTGTGTC TCAAGAGGAA GTCAGGGTAC TAGCTCAGTG CTCAATCTCC AGGTACTATA TCACACACAG AGTTCTCCTT CAGTCCCAGT ATCGAGTCAC GAGTTAGAGG TCCATGATAT
6481	TATACATTTG CCCGTTTAT CTCTAATGTG AAATAAATCC CCAAACACTT GTTTATCGTG ATATGTAAAC GGGCAAAATA GAGATTACAC TTTATTTAGG GGTTTGTGAA CAAATAGCAC
6541	TAGCGTACCT AAAAGACTAT TCTATTATGG GTGTCCCCAC TTTCTTGTT TGGTCACCCC ATCGCATGGA TTTCTGATA AGATAATACC CACAGGGGTG AAAGAACCAA ACCAGTGGGG
6601	GATCCCCGG TCTTCTGCTG TATCTAGAAC AGTGAECTATA AATGATGTAT GGGAAATAGTG CTAGGGGGCC AGAAGACGAC ATAGATCTG TCACTGATAT TTACTACATA CCCTTATCAC
6661	TTTCCATATG ATCTGTTGTC TGGAGTATAT GCTACATGTT CATTACTGTT ACAAAAACCC AAAGGTATAC TAGACAACAG ACCTCATATA CGATGTACAA GTAAATGACA TGTGTTTGGG
6721	AGTGCAGCTG ATGATGCAAA GCAGTCTCTC TCTGTGTACA GTGCCCCACC TATTTAAAAA TCACGTCGAC TACTACGTT CGTCAGAGAG AGACACATGT CACGGGGTGG ATAAATTTT
6781	TCACGTACAA NCCCAGAACAA CTGTGAAACA CTTAACATAA GAAACAAACG CAGCGTCTGG AGTGCATGTT NGGGTCTTGT GACACTTTGT GAATTGTATT CTTGTTTGC GTCGCAGACC
6841	ATTCTTCCA AGGAGAGCAG CTTTCTCCAC AGGAACACAG TAACAAAAGA GGTCCGCCGC TAAGAAAGGT TCCTCTCGTC GAAAGAGGTG TCCTGTGTC ATTGTTTCT CCAGGCGGCG
6901	CATCCACACC CAGCCAAGAC ACCTCAGAGG CCATAGGGAC AACCTCCTG CTGGCCAACA GTAGGTGTGG GTCGGTTCTG TGGAGTCTCC GGTATCCCTG TTGGAGGAAC GACCGGTTGT
6961	CCTGCTGGAG CAGGGCACAG GTCCCAGCAA CTGATCCTCA GTGGATGGGT CCGCAGTCAA GGACGACCTC GTCCCGTGTG CAGGGTCGTT GACTAGGAGT CACCTACCCA GGCGTCAGTT
7021	AGCCTTAATG GGCTCTCTT TGAAGGGAA AGAAANNTTT CAAGCTTATG ATATCCAACA TCGGAATTAC CCGAGAGAAA ACTTCCCCTT TCTTTNAAA GTTCGAATAC TATAGTTGT
7081	TTATTATAGT TGATGAGTTA GTAAATTCCG AAAAAAAAAG ATGATTTAT ATGTATGACA ATAATATCA ACTACTCAAT CATTAAAGGC TTTTTTTTC TACTAAAATA TACATACTGT
7141	AAAAAAAAAT CTTGTAAAG TGCGCAAGTG CAATAATTAA AAGAGGTCTT ATCTTGCAT ATTTTTTTA GAAACATTTC ACGCGTTCAC GTTATTAAAT TTCTCCAGAA TAGAAACGTA
7201	TTATAAATTAA TAAATATTGT ACATGTGTGT AATTTTCAT GTATTCAATT GCAGTCCTTG AATATTTAAT ATTTATAACA TGTACACACA TTAAAAAGTA CATAAGTAAA CGTCAGAAC
7261	TATTTAAAAA AACTTACTG TTATGTTGT ATAATAGAAC ATTAATCATT TATTATAACT ATAAATTTT TTGAAATGAC AATACAAACA TATTATCTG TAATTAGTAA ATAATATTGA
7321	CAGACAAGGT GTAAATAAT TCATAATTCA AACAGCCAGT ATATATGCAT ATATGGGTGT GTCTGTTCCA CATTATTAA AGTATTAAAGT TTGTCGGTCA TATATACGTA TATACCCACA
7381	TACATTGCAA AAATCTCTAT CTTGTTCTA TTCACATGCT TAAAGAAGTA AGAAATCTT ATGTAACGTT TTTAGAGATA GAAACAAAGAT AAGTGTACGA ATTCTTCAT TCTTTAGAAA
7441	TGTGGATATG TAATTATACA TATAAAGTAT ATATATATGT ATGATACATG AAATATATTT ACACCTATAC ATTAATATGT ATATTCATA TATATATACA TACTATGTAC TTTATATAAA
7501	AGAAATGTTC ATAATTTAA TGGATATTCT TTGGTGTGAA TAATTGAATA CAACATTTT TCTTACAAG TATTAATT ACCTATAAGA AACCACACTT ATTAACCTTAT GTTGTAAAAA

Figure 15 (cont.)

7561 AAAATGAAAAA AAAAAAAA C
TTTTACTTTT TTTTTTTT G



Figure 16

7581 bp

Figure 17

PDE10A compiled - coding sequence and features

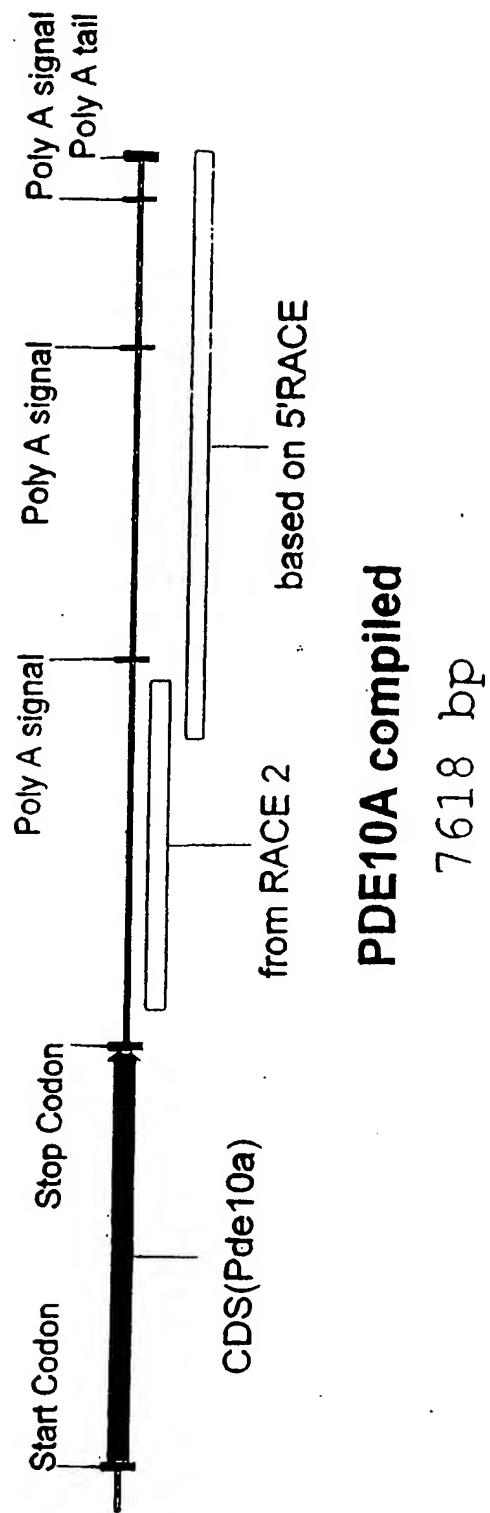


Figure 18

PDE10A compiled - restriction sites

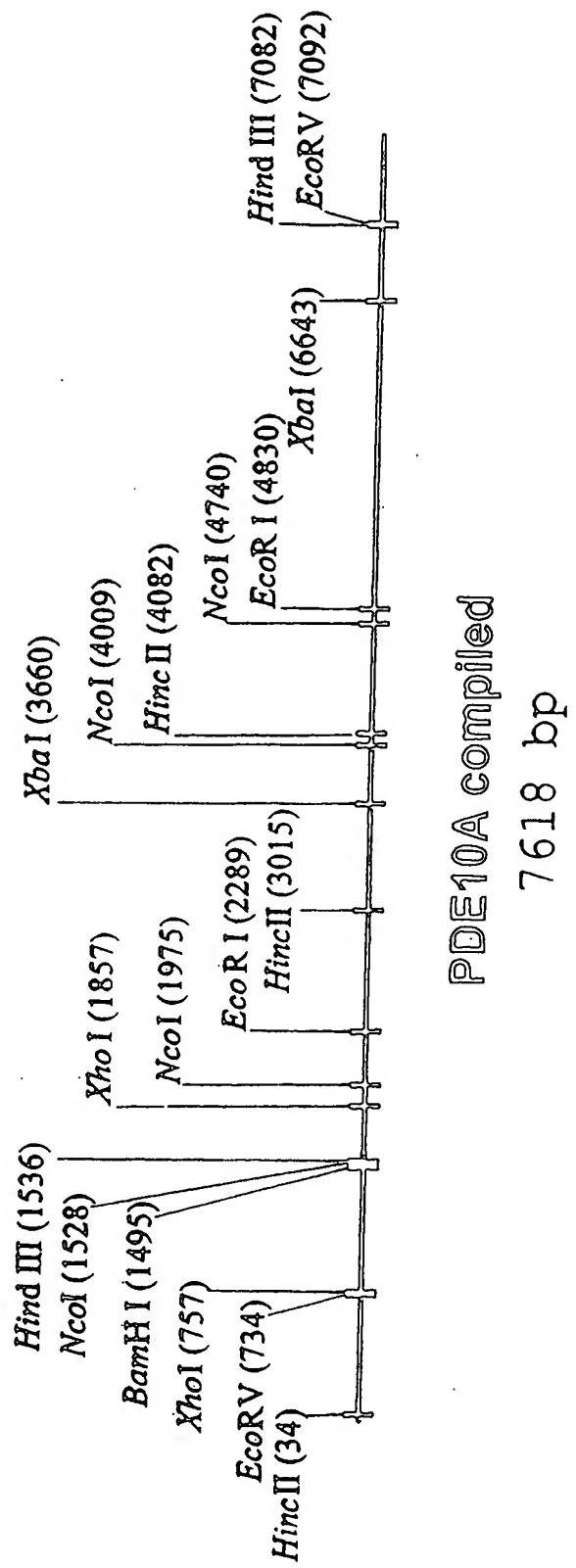


Figure 19

1	CGCCCCGGCA GGTCTGTTGG AGGGCAGTTG GTCAACCTGA CCAGAGAGAG CTGAGCTGGA
61	GCAGGGCCGT CCAGACAACC TCCCGTCAAC CAGTTGGACT GGTCTCTCTC GACTCGACCT
121	GATTTGGGCA AAGCCACATT CCTGGAGAAG TCTGTATACT GATGCCAAC CCAAGAGCTG
181	CTAAACCCGT TTCGGTGTAA GGACCTCTTC AGACATATGA CTACGGTTG GGTTCTCGAC
241	AGCTGCTGAT GAGGCCAGG GAGTAGCCCA CGCGCCCTGA GCTGTTGGCT AGCAAGGCCT
301	TCGACGACTA CTCCGGGTCC CTCATCGGGT CGCGGGACT CGACAACCGA TCGTTCCGGA
361	TGTTGGATGG AAAAATTATA TGTTTGACG GATGAAAAGG TGAAGGCCTA
421	AGGACGAGGT ACACCGTACC TTTTAATAT ACCAAACTGC CTACTTTCC ACTTCCGGAT
481	TCTTTCTCTC CATCCCCAGG TATTAGATGA ATTTGTTCT GAAAGTGTAA GTGCAGAGAC
541	AGAAAGAGAG GTAGGGGTCC ATAATCTACT TAAACAAAGA CTTTCACAAT CACGTCTCTG
601	TGTGGAAAAG TGGCTGAAGA GGAAAACCAA CAAAGCAAAA GATGAACCAT CTCCCAAGGA
661	ACACCTTTTC ACCGACTTCT CCTTTGGTT GTTTCGTTT CTACTTGGTA GAGGGTTCC
721	ACACCTTTTC ACCGACTTCT CCTTTGGTT GTTTCGTTT CTACTTGGTA GAGGGTTCC
781	AGACGAGCGC CTGGACACGG GCAGGGACAA CCACCTGCTC CTCTATGAGC TCAGCAGCAT
841	TCTCGTCGCG GACCTGTGCC CGCCCTGTT GGTGGACGAG GAGATACTCG AGTCGTCGTA
901	CATCAGGATA GCCACAAAAG CCGACGGATT TGCACGTAC TTCTTGAG AGTCAATAA
961	GTAGTCCTAT CGGTGTTTC GGCTGCCTAA ACGTGACATG AAGGAACCTC TCACGTTATT
1021	TAGCCTGTGT GTGTTCATAC CACCCGGAT GAAGGAAGGC CAACCCCGGC TCATCCCTGC
1081	ATCGGACACA CACAAGTATG GTGGCCCTA CTTCTCCG GTTGGGGCCG AGTAGGGACG
1141	AGGGCCCATC ACCCAGGGTA CCACCATCTC TGCCCTACGTG GCCAAGTCTA GGAAGACGTT
1201	TGAAATCAGG TGGGTCCCAT GGTGGTAGAG ACGGATGCAC CGGTTAGAT CTTCTGCAA
	CAACCATCTC CTATAGGAAC CCCTACTCGC TAAAGGAGCT CCATGACCGG ACCTTAGTCC
	AACCCGCATC CAGTCTGTT CTTGCTGCC CATTGTCACT GCCATTGGAG ACTTGATTGG
	TTGGCGTAG GTCAGACAAG AAACGAACGG GTAACAGTGA CGGTAAACCTC TGAACTAACC
	CATCCTTGAA CTGTACAGGC ACTGGGGCAA AGAGGCCTTC TGCCCTAGCC ATCAGGAGGT
	GTAGGAACCTT GACATGTCCG TGACCCCGTT TCTCCGGAAG ACGGAGTCGG TAGTCCTCCA
	TGCAACAGCC AATCTGCTT GGGCTTCCGT AGCAATACAC CAGGTGCAGG TGTGTAGAGG
	ACGTTGTCGG TTAGAACGAA CCCGAAGGCA TCGTTATGTG GTCCACGTCC ACACATCTCC
	TCTCGCCAAA CAGACCGAAC TGAATGACTT CCTACTCGAC GTATCAAAGA CATACTTGAA
	AGAGCGGTTT GTCTGGCTG ACTTACTGAA GGATGAGCTG CATAGTTCT GTATGAAACT
	TAACATAGTT GCCATAGACT CTCTACTTGA ACACATCATG ATATATGCAA AAAATCTAGT
	ATTGTATCAA CGGTATCTGA GAGATGAAC TGTGTAGTAC TATATACGTT TTTTAGATCA
	GAACGCCGAC CGCTGCGCGC TCTTCCAGGT GGACCACAAG AACAGGAGC TGTACTCGGA
	CTTGCGGCTG GCGACGCGCG AGAAGGTCCA CCTGGTGTTC TTGTTCCCTCG ACATGAGCCT
	CCTGTTGAC ATTGGGGAGG AGAAGGAGGG GAAGCCCATC TTCAAGAAGA CCAAGGAGAT
	GGACAAACTG TAACCCCTCC TCTTCCTCCC CTTCGGGTAG AAGTTCTTCT GTTCCCTCTA
	CAGATTTCC ATTGAGAAG GGATTGCTGG TCAAGTGGCA AGAACAGGCG AAGTCTGAA
	GTCTAAAAGG TAACTCTTTC CCTAACGACC AGTCACCGT TCTTGTCCGC TTCAGAACTT

Figure 19 (cont.)

1261	CATTCCCGAT GCCTACGCGG ACCCTCGCTT TAACAGGGAG GTGGACCTGT ACACAGGCTA GTAAGGGCTA CGGATGCGCC TGGGAGCGAA ATTGTCCCTC CACCTGGACA TGTGTCCGAT
1321	CAACACGAGG AACATTCTGT GTATGCCAT AGTGAGCCGA GGCAGCGTGA TTGGCGTGGT GTGGTGCCTC TTGTAAGACA CATACGGGT AACTCGGCT CCGTCGCACT AACCGCACCA
1381	GCAGATGGTG ACAAAAGATCA GCGGTAGCGC CTTCTCCAAG ACAGACGAGA ACAACTTCAA CGTCTACAC TTGTTCTAGT CGCCATCGCG GAAGAGGTT C TGCTGCTCT TGTTGAAGTT
1441	GATGTTGCT GTCTTCTGCG CACTGGCCTT GCACTGTGCT AACATGTACC ACAGGATCCG CTACAAACGA CAGAAGACGC GTGACCGGAA CGTGACACGA TTGTACATGG TGTCTAGGC
1501	CCACTCAGAA TGCATCTACA GGGTACCAT GGAGAAGCTT TCCTACCACA GCATCTGCAC GGTGAGTCTT ACGTAGATGT CCCAATGGTA CCTCTTCGAA AGGATGGTGT CGTAGACGTG
1561	CTCCGAGGAG TGGCAAGGCC TCATGCGCTT CAACCTACCA GCACGCATCT GCCGGGACAT GAGGCTCCTC ACCGTTCCCG AGTACCGGAA GTTGGATGGT CGTGCAGTAGA CGGCCCTGTA
1621	CGAGCTATTG CACTTTGACA TTGGTCCTT CGAGAACATG TGGCCTGGGA TCTTGTCTA GCTCGATAAG GTGAAACTGT AACCAGGAAA GCTCTTGAC ACCGGACCT AGAAACAGAT
1681	CATGATCCAT CGGTCTTGTG GGACATCCCTG TTTTGAACCT GAAAAATTGT GCGGTTTAT GTACTAGGT A GCCAGAACAC CCTGTAGGAC AAAACTTGAA CTTTTAACCA CGGCAAAATA
1741	CATGTCCTGTG AAGAAGAACT ATCGGCGGGT TCCTTACAC AACTGGAAGC ATGCAGTCAC GTACAGACAC TTCTTCTGAA TAGCCGCCA AGGAATGGT TTGACCTTCG TACGTCACTG
1801	GGTGGCACAC TGCATGTATG CCATACTTC A AAACAACAAT GGCTCTTC CAGACCTCGA CCACCGTGTG ACGTACATAC GGTATGAAGT TTTGTTTTA CCGGAGAAGT GTCTGGAGCT
1861	GCGCAAAGGC CTGCTAATTG CGTGTCTGTG CCATGACCTG GACCACAGGG GCTTCAGTAA CGCGTTCCG GACGATTAAC GCACAGACAC GGTACTGGAC CTGGTGTCCC CGAAGTCATT
1921	CAGCTACCTG CAGAAGTCG ACCACCCCT GGCGGCGCTG TACTCCACCT CCACCATGGA GTCGATGGAC GTCTCAAGC TGGTGGGGGA CCGCCGCGAC ATGAGGTGGA GGTGGTACCT
1981	GCAACACCAC TTCTCCCAGA CGGTGTCCAT CCTTCAGCTG GAAGGGCACA ATATCTCTC CGTTGTGGTG AAGAGGGTCT GCCACAGGT A GGAAGTCGAC CTTCCCGTGT TATAGAAGAG
2041	CACCCGTGAGC TCCAGCGAGT ACGAGCAGGT GCTGGAGATC ATCCGCAAAG CCATCATCGC GTGGGACTCG AGGTGCTCA TGCTCGTCCA CGACCTCTAG TAGGCCTT GGTAGTAGCG
2101	CACCGACCTC GCCCTATACT TTGGGAACAG GAAGCAGTT GAGGAGATGT ACCAGACAGG GTGGCTGGAG CGGGATATGA AACCTTGTC CTTCGTCAAC CTCCCTCTACA TGGTCTGTCC
2161	GTCGCTGAAC CTCCACAAACC AGTCCCATCG AGACCGTGTG ATCGGCTTGA TGATGACTGC CAGCGACTTG GAGGTGTTGG TCAGGGTAGC TCTGGCACAG TAGCCGAAC ACTACTGACG
2221	CTGTGATCTT TGCTCTGTG CCAAACATATG GCCAGTTACA AAATTGACAG CGAATGATAT GACACTAGAA ACGAGACACT GGTGTATAC CGGTCAATGT TTTAAGTGT GCTTACTATA
2281	ATATGCAGAA TTCTGGGCTG AGGGTGTGATGA GATGAAGAAG CTGGGCATAC AGCCCATTCC TATACGTCTT AAGACCCGAC TCCCCTACT CTACTTCTTC GACCCGTATG TCGGGTAAGG
2341	TATGATGGAC AGAGACAAGC GAGATGAAGT CCCTCAAGGG CAGCTCGGAT TCTACAATGC ATACTACCTG TCTCTGTGTC CTCTACTTC GGGAGTTCCC GTGAGGCCTA AGATGTTACG
2401	TGTGGCCATT CCCTGCTATA CCACCTTGAC GCAGATCCTC CCACCCACAG AGCCTCTGCT ACACCGGTAAGGGACGATAT GGTGGAACGT CGTCTAGGAG GGTGGGTGTC TCGGAGACGA
2461	GAAGGCCTGC AGGGATAACC TCAATCAGTG GGAGAAGGTA ATTGCGGGGG AAGAGACAGC CTTCCGGACG TCCCTATTGG AGTTAGTCAC CCTCTTCAT TAAGCGCCCC TTCTCTGTGCG

Figure 19 (cont.)

2521	AATGTGGATT TCAGGCCAG GCCCGCGCC TAGCAAGAGC ACACCTGAGA AGCTGAACGT TTACACCTAA AGTCCGGTC CGGGCGCGG ATCGTCTCG TGTGGACTCT TCGACTTGCA
2581	GAAGGTTGAA GACTGATCCT GAAGTGACGT CCTGATGTCT GCCCAGCAAC CGACTCAACC CTTCCAACCTT CTGACTAGGA CTTCACTGCA GGACTACAGA CGGGTCGTTG GCTGAGTTGG
2641	TGCTTCTGTG ACTTCGTTCT TTTTGTTC AAGGGGTGAA AACCCCTGT CAGAAGGTAC ACGAAGACAC TGAAGCAAGA AAAACAAAAG TTCCCCACTT TTGGGGGACA GTCTCCATG
2701	CGTCGCATAT CCATGTGAAG CAGACGACTC CCTGCTGCC GCACACACCT CGGACAGTGA GCAGCGTATA GGTACACTTC GTCTGCTGAG GGACGAACGG CGTGTGTGGA GCCTGTCACT
2761	GCAACCAGG CTCTGCCGTG TTCAGACGTC GGCTACTCCG TGGCTCCACC TGACCTCCGA CGTTGGGTCC GAGACGGCAC AAGTCTGCAG CCGATGAGGC ACCGAGGTGG ACTGGAGGCT
2821	ATGCTATTTG CTCCCAGGCC AGCACTGCAC TGTCTGGAGG GGGCAGAGAC CACAGGAGAG TACGATAAAC GAGGGTCCGG TCGTGACGTG ACAGACCTCC CCCGTCTCTG GTGTCCCTCTC
2881	GTTCTGCCT GCATCCTCCC ATGAGGGTGT GGCCAGTTCC CTAGTTCTGT GCCATGCTGC CAAGAACGGA CGTAGGAGGG TACTCCACA CCGGTCAAGG GATCAAGACA CGGTACCGACG
2941	TGCTTGGTGG CATTGGTTAG GAATGGGACA CACGCCCTT GTGTGAAGT TTACATGTGA ACGAACCACC GTAACCAATC CTTACCCCTGT GTGCGGGGAA CAACACTTCA AATGTACACT
3001	CCTTCTTATA GTTTAACTGA GTTTGTGGCC TGGGACACAT GTAATGAAGG TCACAGTCCA GGAAGAATAT CCAATTGACT CAAACACCGG ACCCTGTGTA CATTACTTCC AGTGTCAAGGT
3061	CAGGTGACAG AGAAATCCAA ACTGTTGATT ACAGGTGCAC TACAGGTATG CTCTTCAGT GTCCACTGTC TCTTAGGTT TGACAACCAA TGTCACCGTG ATGTCCATAC GAGAAAGTCA
3121	CTATCTGGGG GCACATAGGT GAGCTGCTC CACTCAGAAG GAAGCATACC TCTSCCTCA GATAGACCCC CGTGTATCCA CTCAGACGAG GTGAGTCTTC CTTCGTATGG AGASGGGAGT
3181	TCCAGGGGAC ACAGGGTACA TCCCAGGCAT CGGGGAACCTG AAGCTCTCAC TTCAAACCAT AGGTCCCCTG TGTCCTCATGT AGGGTCCGTA GCCCCTTGAC TTCGAGAGTG AAGTTGGTA
3241	GTCAAAGAAT TAAAACACTT CCCCTCCCCC TCACTGTAGC CTTCGGCAAC TGGGCCAATC CAGTTCTTA ATTTTGTGGA GGGGAGGGGG AGTGACATCG GAAGCCGTTG ACGCGGTTAG
3301	CCTTATACA AAGAAAATAT AAGTAAGGCATA TATAATTTC CTCCAGCAAG CAAATCTTGT GGAAAATATGT TTCTTTATA TTCATTCCGT ATATTTAAAG GAGGTGTTGTTAGAACAA
3361	GGGTAAAAAA AAAAAATGTG AATTTAACAA ACCTCTATAT TTTCAGTGTGTA TGTTATGGCA CCCATTTTTT TTTTTTACAC TTAAAATTGT TGGAGATATA AAAGTGACAT ACAATACCGT
3421	GAATTTAGT CACGTCCAAA ACAAAAGATT ATTCAGAAG ATACCTCATC CTATGCCTGA CTTAAATCA GTGCAGGTTT TGTTTCTAA TAAGGTCTTC TATGGAGTAG GATACGGACT
3481	AAGCTCCACA GCATGGCGTC CGTCTCCAG GGTCTGATC CGTCTCCTCA CGGTGCAATC TTCGAGGTGT CGTACCGCAG GCAGAGGGTC CCAAGACTAG GCAGAGGAGT GCCACGTTAG
3541	AGGCAGGACA GGAGGAGGTG CAGGGCTACC ACATTGACCC AGATGGTATC TCCTCTCACC TCCGTCCTGT CCTCCTCCAC GTCCCGATGG TGTAACGGG TCTACCATAG AGGAGAGTGG
3601	ATTCAGACAT CCATAAGGAA TGCCAAATGC TGTATTGAAT AGTCTCCTG TGTGACTTTC TAAGTCTGTA GGTATTCCCT ACGGTTACG ACATAACTTA TCAAGAGGAC ACACGTAAAG
3661	TAGAGAAGCC AGGACACCCCC TGAGGCCCTTC CTGGGAACCTC CTAAGGAAGT CACAGGTTCA ATCTCTCGG TCCTGTGGGG ACTCGGAAAG GACCCTTGAG GATTCCCTCA GTGTCCAAGT
3721	CACCGTGGGG ATTTTCAGGA TAGCATGGAG ACCAGAGAAT CCCGGTTCGG TTGTTCTCAC GTGGCACCCCC TAAAAGTCTT ATCGTACCTC TGGTCTCTTA GGGCCAAGGCC AACAAAGAGTG

Figure 19 (cont.)

3781	TCGGTGAGCC TTGAGAAGGA AGAGACTGAC CAGAAACACT CACTCAGCAC TCTGGCAGGA AGCCACTCGG AACTCTTCCT TCTCTGACTG GTCTTGTA GTGAGTCGTG AGACCGTCT
3841	GCAGGAGAAG ATACTTTAAG ATGAATCTT GGGATAGATT TTGATACACC CAATACCATA CGTCCTCTTC TATGAAATTCTACTTAGAAA CCCTATCTAA AACTATGTGG GTTATGGTAT
3901	CACACAGGAG CTTGGCATT GCAAAGTCTA TTCAGTTCC TTCCACACTC TGACCCACGG GTGTGTCCTC GAACCGTAAA CGTTTCAGAT AAGTCAAAGG AAGGTGTGAG ACTGGGTGCC
3961	TTGTAGCGGA GTGGGCTGAA CACTGTAACA CTGTACATGC GATTCCCCA TGGGCTTCTA AACATCGCCT CACCCGACTT GTGACATTGT GACATGTACG CTAAAGGGT ACCCGAAGAT
4021	AAATGTCACC ATCTCCTCCC CTGCTGTGTC CTACTCCATT TACTGGTTAC AAGGTGATGT TTTACAGTGG TAGAGGAGGG GACGACACAG GATGAGGTAA ATGACCAATG TTCCACTACA
4081	CAACAAGAGA AGCTATCACA ACACCAGGGC TGTGCACACG TGACACACACA TGTATGCACA GTTGTTCTCT TCGATAGTGT TGTGGTCCCG ACACGTGTG ACGTGTGTGT ACATACGTGT
4141	AGCACACAGA TGTATGTACA GCACACACAC ACACACACAC CCCAAAAGGA GAGAAAAGGA TCGTGTGTCT ACATACATGT CGTGTGTGTG TGTGTGTGTG GGGTTTCTCT CTCTTTCTCT
4201	AGAAAACATT TATAAAAAGC GACAGCTACC CCCATATTCA AAAATAGTTC TTTTCCCTGT TCTTTGTAA ATATTTTCG CTGTCGATGG GGGTATAAGT TTTTATCAAG AAAAGGGACA
4261	AGGGAAACAG GTAGCTCTCC ATAAGGAAAT TATCATGAGT GTGTTCTCCC ATCAGTGCAC TCCCTTGTGTC CATCGAGAGG TATTCTTTA ATAGTACTCA CACAAGAGGG TAGTCACGTG
4321	TTCTCCCAGG GGTGCTCACT GAAGCTGGTC CACGTCTATA AACAGGTGAC ACTGGCTGCA AAGAGGGTCC CCACGAGTGA CTTCGACCAG GTGCAGATAT TTGTCCTACTG TGACCGACGT
4381	GCAAAAAGCC ATTGATCCA CACAAATTGA TCTTCTATCA TCTTGGAAATC TGAATTGCAG CGTTTTCGG TAAGCTAGGT GTGTTAACT AGAAGATAGT AGAACCTTAG ACTTAACGTC
4441	GGAGGAGCAG CATGTAAGAC GACCCTTAA TTCAGGCATT CCGAAGGCAT GAGCGATGG CCTCCCTCGTC GTACATTCTG CTGGCAAATT AAGTCCGTAA GGCTTCCGTA CTCGCGTACC
4501	ATTCTGTCAC CAAGCGTATA AAAGGACCT GGCAATTGGGA AACCTATGAC GGACTGTTT TAAGACAGTG GTTCGCATAT TTTCTGGGA CCGTAACCTT TTGGATACTG CCTGACAAAA
4561	TGCTGTAGAA GTAGGGATTT TACAGAAGTC TCCTTGGATT TGCCCTGCCT GGGGCAGTTT ACGACATCTT CATCCCTAA ATGTCCTCG AGGAACCTAA ACAGGACGGG CCCCCTCAAA
4621	TGCAGAGGAA CCTGCCAGAG ATTTATTGGC TGGTCAGTCT CTTGTGAAAT AGTATCATGT ACGTCTCCTT GGACGGTCTC TAAATAACCG ACCAGTCAGA GAACACTTTA TCATAGTACA
4681	GAGAAACAGT TTGTAGAAAA AACTATACC TGGGAAGACC TTTGCAACAT TGTTCCTTCC CTCTTGTCA AACATCTTT TTTGATATGG ACCCTCTGG AACGTTGTA ACAAGGAAGG
4741	ATGGCCAAG ACTCAGTTAG GAGGCATAAA TCTGCCGGA ATAAACTAGG CCAGGATACA TACCCGGTTC TGAGTCATC CTCGTTATT AGACGGGCCT TATTGATCC GGTCTATGT
4801	GCCATGTTA GTTAAATAATT TGGTTTAGA ATTACACACAG GCAGGATTGG TTTTTTGTG CGGTACAAAT CAATTATTA ACCAAATCT TAAGTGTGTC CGTCCTAACCA AAAAAGAC
4861	TCTTGGCAAG TGGAGCATAT TTAAACATACA GGCACTGGAA TCCTGCCTCT TAGCTTTCC AGAACCGTTC ACCTCGTATA AATTGTATGT CCGTACCTT AGGACGGAGA ATCGAAAAGG
4921	CACCCCTTG TCTCACCAAG TTTTTCTCT CCAAAGGTTT CCAGGAATTTCCTCATTAAATG GTGGGAGAAC AGAGTGGTTC AAAAAGAGA GGTTTCAAA GGTCTTAAA GAGTAATTAC
4981	GCTGATGCAA ACTTAGTGA TAATAATGAA TATAAAACAAT GCTCACCTCA CCAAAATTAT CGACTACGTT TGAATCACTT ATTATTACTT ATATTGTTA CGAGTGGAGT GGTTTAATA

Figure 19 (cont.)

5041 ATTATTTGCA GTCATTGTC ATAACACAAA TTTTATCGCA ATGGTTATTA TTTAATTGT
 TAATAAACGT CAGTAAACAC TATTGTTTT AAAATAGCGT TACCAATAAT AAATTAACAA
 5101 GGCCACACAC TGTGGTTATC TTTTGGTGTG GTTGGTTCTG AGAAAATGTT CTTGGATATG
 CCGGTGTTG ACACCAATAG AAAACAACAC CAACAAAGAC TCTTTACAA GAACCTATAC
 5161 TAAGTGCCAA TACCAAGTGTG AAGTATTGAT CCCGGGCAGC AAAATACAGC CTAAGGTTG
 ATTCACTGGT ATGGTCACAC TTCATAACTA GGGCCCGTCG TTTTATGTG GATTCCAAAC
 5221 TAAACATCAA TTCTATCTCA GTTCATCAGA GGGCCTGAGA AGCTGCGGGG CAGTGTAAAG
 ATTTGTAGTT AAGATAGAGT CAAGTAGTCT CCCGGACTCT TCGACGCCCG GTCACATTT
 5281 TAAAGTATGC TGGGCTGGTG GTGGTCAGCC TCCCCTGCC AAGAAGAGAG CAATTGAATC
 ATTTCATACG ACCCGACAC CACCAAGTCGG AGGGGAACCG TTCTCTCTC GTTAACTTAG
 5341 CTGTCCCCAG CTCCCTCCAC GCCTGAAGAG TGACCAAGTGC TGGCCGACG GATCGCTGAG
 GACAGGGGTC GAGGGAGGTG CGGACTTCTC ACTGGTCACG ACCGGGCTGC CTAGCGACTC
 5401 ATATTCTCCC ATAATGGCAA AAAAATAGGC AGTTTGATGT GACCTGTTA GTGTGGCTCT
 TATAAGAGGG TATTACCGTT TTTTATCCG TCAAACATACA CTGGACAAAT CACACCGAGA
 5461 CCTCTTTGA GCATGTGTAA GCATTTTAT TTTATACCA TCCAGTGAAC TCTGCTCTTC
 GGAGAAAAT CGTACACAAAT CGTAAAAATA AAATATGAGT AGGTCACTTG AGACGAGAAG
 5521 CAAGTGTGTT CATGTATGTG CTAGATATAT TAGCACAGCC TGCCTCTGC TGCACAACGC
 GTTCACACAA GTACATACAC GATCTATATA ATCGTGTGCG ACAGAAGACG ACGTGTTGCG
 5581 CTTAGAGACC CGGCCTTCA ATGAGCTTAG CTTGTGCTCT GTTCTGCTC TCTTAGGTCT
 GAATCTCTGG GCCGGAAAGT TACTCGAATC GAACACGAGA CAAAGACGAG AGAATCCAGA
 5641 AAACTATGGT GTCAAGTTTA ATAGAACAAA AGTATGCATC TTGAGCTTGGC TTGAGCCTT
 TTTGATACCA CAGTCAAAAT TATCTGTT TCATACGTAG AACGGAACCG AACTCGAAA
 5701 TCGTTTCAA TGCTGACTTC TCCCCTTCT CTCCTGTGCT CACCTTACCT TTCCAGAGTG
 AGCAAAAGTT ACGACTGAAG AGGGGAAAGA GAGGACACGA GTGGAATGGA AAGGTCTCAC
 5761 TAAGGGACAA CTTTTAAGGA GGCAGTGTCCC TGGTAGGGGC ATCCCTGTT ACCAGGTGCC
 ATTCCCTGTT GAAAATTCTT CCGCACAGGG ACCATCCCCG TAGGGACAAG TGGTCCACGG
 5821 TGTCATCACC CCACCTGACT GACATCTACC CTGGTGACTA TGGGTTCTC TTGTTTGTAG
 ACAGTAGTGG GGTGAACCTGA CTGTAGATGG GACCACTGAT ACCCAAGGAG AACAAACATC
 5881 GGAACGGTGG CTCCAGGTGG AGGCATCAAT CTGTTGGTT CTGGTTCCCG GCTGCCCTTG
 CCTTGCCACC GAGGTCCACC TCCGTAGTTA GACAACCCAA GACCAAGGGC CGACGGAAAC
 5941 GTTTGAAAG TCTCTTCTCT GTATATTCTT ACCCTGCATT TGCTTGTGT GGTGCTGATG
 CAAAACTTT AGAGAACAGA CATATAAGGA TGGGACGTAA ACGAACACAA CCACGACTAC
 6001 CTGTGGCAGT AGGATCTGG ATGACTCTCC ATCAGTCACA GACTCCCCCT GTTGCAAAGT
 GACACCGTCA TCCTAGAAC TACTGAGAGG TAGTCAGTGT CTGAGGGGGAA CAACGTTCA
 6061 GTCAGGCTGA CTCGACAGTC ACCGTAAAT CTGAGTCAGT CACACACAGG CTGTCAGCCA
 CAGTCGACT GAGCTGTCA TGGCATTGTTA GACTCAGTCA GTGTGTGTCC GACAGTCGGT
 6121 CGGCTTCCAC TTGCATGGCT ATTCTATTTT CACACGTGAG TTTCTGTTGC TGGCTGGCTG
 GCCGAAGGTG AACGTACCGA TAAGATAAAA GTGTGCACTC AAAGACAAACG ACCGACCGAC
 6181 ACTGGCATTAA TCTATGCTAA GTTGAATCA GGAGTGTGCC CAGCAGAGCC CATCATTCTC
 TGACCGTAAT AGATACGATT CAACTTTAGT CCTCACACGG GTCGTCTCGG GTAGTAAGAG
 6241 ACTGTCTTTG AAACAAAGCT GTACGGTTG ATCGATGAAC GTATTTAAAG CATTTCATGC
 TGACAGAAC TTTGTTCGA CATGCCAAAC TAGCTACTTG CATAAATTTC GTAAAGTACG

Figure 19 (cont.)

6301	AATGACAAAG TGCTCAGTAG TGGAAGGCAG GCTGTGACCA GTCTGCCTGC TCCTTACTAT TTACTGTTTC ACGAGTCATC ACCTTCGGTC CGACACTGGT CAGACGGACG AGGAATGATA
6361	AATTGTGAGG ATTTGTTACT GGAACAGTAC ATGGAGGCCT GACCTTGTGG GGGCACAGGG TTAACACTCC TAAACAATGA CCTTGTATG TACCTCCGGA CTGGAACACCC CCCGTGTCCC
6421	TGGAACCTTA GCTGAATATA GTGTGTGTCT CAAGAGGAAG TCAGGGTACT AGCTCAGTGC ACCTTGGAAAT CGACTTATAT CACACACAGA GTTCTCCTTC AGTCCCATGA TCGAGTCACG
6481	TCAATCTCCA GGTACTATAT ATACATTTGC CCGTTTATC TCTAATGTGA AATAAATCCC AGTTAGAGGT CCATGATATA TATGTAAACG GGCAAATAG AGATTACACT TTATTTAGGG
6541	CAAACACTTG TTTATCGTGT AGCGTACCTA AAAGACTATT CTATTATGGG TGTCCCCACT GTTTGTGAAC AAATAGCACA TCGCATGGAT TTTCTGATAA GATAATACCC ACAGGGGTGA
6601	TTCTGGTTT GGTCACCCCG ATCCCCGGT CTTCTGCTGT ATCTAGAACA GTGACTATAA AAGAACAAA CCAGTGGGGC TAGGGGGCCA GAAGACGACA TAGATCTTGT CACTGATATT
6661	ATGATGTATG GGAATAGTGT TTCCATATGA TCTGTTGTCT GGAGTATATG CTACATGTTC TACTACATAC CCTTATCACA AAGGTATACT AGACAACAGA CCTCATATAC GATGTACAAG
6721	ATTTACTGTA CAAAAACCCA GTGCAGCTGA TGATGCAAAG CAGTCTCTCT CTGTGTACAG TAAATGACAT GTTTTGGGT CACGTCGACT ACTACGTTTC GTCAAGAGAGA GACACATGTC
6781	TGCCCCACCT ATTTAAAAAT CACGTACAAN CCCAGAACAC TGAAACAC TTAACATAAG ACGGGGTGGAA TAAATTTTA GTGCATGTT GGGTCTTGTG ACACTTGTG AATTGTATTG
6841	AAACAAACGC AGCGTCTGGA TTCTTCCAA GGAGAGCAGC TTTCTCCACA GGAACACAGT TTTGTGCG TCGCAGACCT AAGAAAGGTT CCTCTCGTGT AAAGAGGTGT CTTGTGTCA
6901	AACAAAAGAG GTCCGCCGCC ATCCACACCC AGCCAAGACA CCTCAGAGGC CATAGGGACA TTGTTTCTC CAGGCGGCCG TAGGTGTGGG TCGGTTCTGT GGAGTCTCCG GTATCCCTGT
6961	ACCTCCTTGC TGGCCAACAC CTGCTGGAGC AGGGCACAGG TCCAGCAAC TGATCCTCAG TGGAGGAACG ACCGGTTGTG GACGACCTCG TCCCGTGTCC AGGGTCGTTG ACTAGGAGTC
7021	TGGATGGTC CGCAGTCAAA GCCTTAATGG GCTCTTTT GAAGGGAAA GAAANNTTTC ACCTACCCAG GCGTCAGTT CGGAATTACC CGAGAGAAAA CTTCCCTTT CTTTNNAAG
7081	AAGCTTATGA TATCCAACAT TATTATAGTT GATGAGTTAG TAAATTCCGA AAAAAAAAGA TTCGAATACT ATAGGTTGTA ATAATATCAA CTACTCAATC ATTAAAGGCT TTTTTTTCT
7141	TGATTTATA TGTATGACAT AAAAAAAATC TTTGAAAGT GCGCAAGTGC AATAATTAA ACTAAAATAT ACATACTGTA TTTTTTTAG AAACATTCA CGCGTTCACG TTATTAAATT
7201	AGAGGTCTTA TCTTGCATT TATAAATTAT AAATATTGTA CATGTGTGTA ATTTTCATG TCTCCAGAAT AGAAACGTAA ATATTAATA TTTATAACAT GTACACACAT TAAAAGTAC
7261	TATTCATTG CAGTCTTGT ATTTAAAAAA ACTTTACTGT TATGTTGTA TAATAGAAC ATAAGTAAAC GTCAAGAACAA TAAATTTTT TGAAATGACA ATACAAACAT ATTATCTTGT
7321	TTAACATTT ATTATAACTC AGACAAGGTG TAAATAAATT CATAATTCAA ACAGCCAGTA AATTAGTAA TAATATTGAG TCTGTTCCAC ATTTATTAA GTATTAAGTT TGCGGTCAT
7381	TATATGCATA TATGGGTGTT ACATTGCAA AATCTCTATC TTTGTTCTAT TCACATGCTT ATATACGTAT ATACCCACAA TGTAACGTT TTAGAGATAG AAACAAGATA AGTGTACGAA
7441	AAAGAAGTAA GAAATCTTT GTGGATATGT AATTATACAT ATAAAGTATA TATATATGTA TTCTTCATT CTTTAGAAAA CACCTATACA TTAATATGTA TATTCATAT ATATATACAT
7501	TGATACATGA AATATATTTA GAAATGTTCA TAATTTAAT GGATATTCTT TGGTGTGAAT ACTATGTACT TTATATAAAT CTTTACAAGT ATTAAAATTA CCTATAAGAA ACCACACTTA

Figure 19 (cont.)

7561 AATTGAATAC AACATTTTA AAATGAAAAA AAAAAAAA AAAA AAAAAA
TTAACTTATG TTGTAAAAAT TTTACTTTT TTTTTTTTT TTTTTTTTT TTTTTTTT
